



Product Profile

Switchgear | Metering | LED Lighting | Protection
Wires & Cables | Modular Switch | Solar | Fan



Corporate Profile

HPL is India's leading electric equipment manufacturer with a formidable presence across six key verticals: Metering Solutions, Switchgears, LED Lighting, Wires & Cables, Modular Switches, Solar & Fan.

Our backward integrated facilities have capabilities across product design and development, component designing, tool manufacturing and commercial production. An established brand with a proven track record of over five decades.

HPL enjoys strong recall across various customer segments. Through our innovative offerings, certified to conform to Indian and International standards such as ISI, CE and KEMA, we are proud to partner emerging India's electrical requirements.

As India's most trusted and reliable brand in the electrical space, we are delighted to be electrifying this energised India and move in step with the nation's growth agenda.

HPL is well-placed to seize emerging opportunities

69+ Years of industry experience

7 State-of-art manufacturing facilities with 2 R&D centers

21 Logistic centres in India & Union Territories

90+ Branch & Representative offices

Strong dealer & distribution Network

Exporting to over 42+ countries

Certifications

HPL's manufacturing facilities are ISO : 9001 certified for Quality Management System, ISO : 14001 certified for Environmental System and OHSAS - 45001 certified for implementing an occupational Health and Safety Management System. HPL products are also ISI Certified by the Bureau of Indian Standards, a mark of quality products in India.

Certain range of products have KEMA certification for energy utilization and have CE certificate to give acceptability of the products in Europe and other international markets. With these awards, accolades and certificates, 5%* HPL continues its journey towards a brighter and innovative future.

Key Strengths

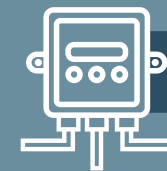
Integrated manufacturing facilities

Located across North India in the states of Haryana and Himachal Pradesh. We have seven state-of-the-art manufacturing capabilities. These are equipped to manufacture customised products for institutional customers and undertake modifications in products for OEMs and other corporate customers as well as for the retail consumers. We manufacture all our products in-house, as well as several components used therein.





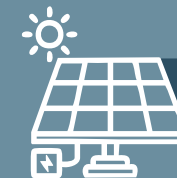
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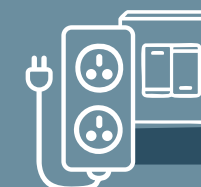
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HPL Product Segments:

- Metering Solutions
- LV Switchgears
- LV Protection Devices
- Modular Switches
- LED Lighting and Luminaires
- Wire & Cables
- Solar
- Fan





More than 60 Million Meters Supplied

Metering Solutions

- Smart metering solution- Two-way communication between meter & server thru Cellular & LPRF communication
- Internal latching relay for demand & load control
- Dual Source Energy Metering (Mains & DG)
- Load limit configurable for Mains & DG
- Elvis - Multifunction meter with 3-line LED display
- Load management & control facility for industries to avoid penalty

Smart Meter



Smart Prepaid
Metering Solution with
Dual Source



ABT Meter



Trivector Meter



Panel Meters



Long Range
Integrated CT Meter



Metering Solutions



Emfis Meters



Emfis - Digital Multi-Function Meter

- -/5A in class 0.5 & 1.0 accuracy.
- Suitable for 3 Phase 4 Wire LT / HT Network.
- CT Primary Programming upto 6000A (For direct reading).
- Three line LCD backlit display.
- Displays: Voltage, Current, Frequency, Power Factor, Power & Trivector Energy.
- Three push buttons on the front panel for programming and scrolling.
- Maximum demand in kVA / kW with integration Period of 30 Minutes (Optional).
- RS485 Communication (Optional).
- Auxiliary Power Supply 80-300V AC/DC and 20-60V DC.

Emfis - VAFP Digital Multi-Function Meter

- -/5A in accuracy class 1.0.
- Suitable for 3 Phase 4 Wire LT Network.
- CT Primary Programmable upto 6000A.
- Three Line Backlit LCD display.
- Measures & Displays 39 parameters including : Phase to Phase Voltage, Phase

to Neutral Voltage, Instantaneous, Average, Maximum and Total Current, Active Power kW, Reactive Power kVAR and Apparent Power kVA, Instantaneous and Total Power Factor, Frequency.



Emfis VAFPE - Digital Multi-Function Meter

- -/5A in accuracy class 1.0.
- Suitable for 3 Phase 4 Wire LT Network.
- CT Primary Programmable upto 6000A.
- Three Line Backlit LCD display.
- RS 485 Communication (Optional).
- Measures & Displays 40 Parameters including : Active Energy, Phase to Phase Voltage, Phase to Neutral Voltage, Instantaneous, Average, Maximum and Total Current, Active Power kW, Reactive Power kVAR and Apparent Power kVA, Instantaneous and Total Power Factor, Frequency.



Emfis - Plus Digital Multi-Function Meter

- Suitable for 3 Phase 4 Wire LT Network.
- Three line LCD backlit display.
- Displays: Voltage, Current, Power Factor, Power, Trivector Energy & THD.
- Last 6 month history parameters for kWh, kVAh, kVAh (lag, lead) & MD KW, kVA through Communication.

- Relay Output for V, I, Total kW, Total kVA, F, kW MD & kVA MD.
- Last 30 days Load Survey through communication.
- Last 10 Occ. / Res. event for each relay 1 & 2 through communication.



Emfis Basic (Import –Export for solar application)

- 3 Phase 4 Wire LT and HT network.
- Auxiliary Power Supply 80-300V AC/DC and 20-60V DC.
- Displays: V,I,F,PF,kWh,kVARh,KVAh,kW,kVAR,Run Hours, Power On Hours, Average Power, Phase wise Average, Maximum Current, Maximum Demand with Real Date and Time, Import-Export and net energy.
- Special Screen for display of phase wise Power, Current, Voltage and Power Factor.
- History parameters of last 6 months for energies and maximum demand.
- Optically isolated Energy Pulse Output and RS 485 MODBUS Communication.





CT2E - Dual Source Meter

- One Meter records Active Energy of two different sources : Mains & Generator.
- Suitable for 3 Phase 4 Wire Network
- Accuracy class 0.5 & 1.0
- Measures over 45 Parameters including Voltage, Current, Frequency, kW, kVA; kVAR, PF, Active Energy for Mains, Generator and Total, MD in kW and kVA for Mains and Generator separately with date and time, Run Hours, Power on Hours.
- Last 6 months history parameters for kWh and MD through communication.
- Rs485 MODBUS communication (optional).

CT2E - Alpha Series

- CT Operated, -/5A in class 1.0 accuracy.
- CT Primary programmable upto 6000A (For Direct reading).
- No separate Auxiliary supply required.
- Low Power Consumption less than 1 watt per phase.
- Pulse Output & Anti tamper features.
- RS 485 MODBUS communication (optional)



3Phase Panel Mounted Meter with Counter Display (CT2M)

- CT Operated, -/5A in class 1.0 accuracy.
- Available upto 800/5A (for direct reading) (Ref. Catalogue for available CT Ratio).
- No separate Auxiliary supply required.
- Low Power Consumption less than 1 watt per phase.
- Pulse Output.
- Anti tamper features .



Elvis : New Digital Panel Meters

Elvis Panel Meter – VAFP

- Three phase 3 Line LED display
- LED indication for Voltage, Current, PF, Frequency & Power
- PT programming range - 110 to 999KV/110 to 500V
- CT programming range - 1 to 9999A/1 to 5A
- Direct measurement upto 650V without external PT
- Diagnostic feature to check connection & phase sequence on display
- Push button based site programmable CT/PT ratio
- Field selectable network (star & delta) option



Elvis Panel Meter – V3

- Three phase 3 Line LED display
- LED indication for Voltage
- PT programming range- 110 to 999KV/110 to 500V
- Direct measurement upto 650V without external PT
- Diagnostic feature to check connection
- Push button based site programmable PT ratio
- Field selectable network (star & delta) option



Elvis Panel Meter – A3

- Three phase 3 Line LED display
- LED indication for Current
- Available in class 0.5 & 1.0
- CT programming range – 1 to 9999A/1 to 5A
- Diagnostic feature to check connection
- Push button based site programmable CT ratio



Elvis Panel Meter – PF3

- Three phase 3 Line LED display
- Measurement range Zero Log Unity-Zero Lead
- LED indication for Instantaneous Power Factor
- Lag / Lead indication on the display
- Diagnostic feature to check connection on display
- Universal auxiliary supply – 80 to 300 V AC

Elvis Panel Meter – PM3

- Three phase 3 Line LED display
- LED indication for Instantaneous Phase wise Power (Kw, Kva & Kvar)
- Available in class 0.5 & 1.0
- Universal auxiliary supply – 80 to 300 V AC
- PT programming range - 110 to 999KV/110 to 500V
- CT programming range - 1 to 9999A/1 to 5A
- Diagnostic feature to check connection on display



Ebrit Meters

Ebrit : Single & Three Phase Ammeter

- Push button based site programming of CT Ratio.
- Bright 4 Digit 14mm LED display.
- Colour indication for R, Y & B phases.
- Universal Auxiliary Supply : 80 to 300V AC/DC.
- Same model for A & kA.
- Auto scroll facility & scroll lock facility (For Three Phase meter).



Ebrit : Single & Three Phase Voltmeter

- Push button based site programming of PT Ratio.
- Network selection for Star (3 Phases 4 wire) and Delta (3 Phase 3 wire).
- Bright 4 Digit 14mm LED display.
- Colour indication for R, Y & B phases.
- Universal Auxiliary Supply : 80 to 300V AC/DC.
- Same model for V & kV.
- Auto scroll facility & scroll lock facility (For Three Phase meter).



Ebrit : PF Meter

- Measurement range Zero Log Unity-Zero Lead.
- Accuracy $\pm 0.01\%$.
- Lag / Lead indication on the display.
- Bright 4 Digit 14mm LED display.
- Universal Auxiliary Supply - 80 to 300V AC/DC.



Ebrit : VAF+ Meter

- Available in Class 0.5 and 1.0.
- Diagnostic feature to check connection & Phase sequence on display.
- Test Mode display.
- Favourite display field selectable option to view only essential parameters on display.





Ebrit : Frequency Meter

- Measurement range 40.00 - 99.99 Hz.
- Accuracy Class 0.2 (Maintained through out the measurement range).
- Bright 4 Digit 14mm LED display.
- Universal Auxiliary Supply - 80 to 300V AC/DC.

Ebrit : Power Meter

- Common Meter for kW, kVA and kVAr.
- User selectable measurement of kW/ kVAr/ kVA.
- Available in Class 0.5 & 1.0.
- Sustained accuracy through out the range.
- Universal auxiliary supply-80 to 300 VAC/DC.
- Push Button based site programming of CT Ratio.
- Bright 4 Digit 14mm LED Display.



Ebrit : Multi Meter

- Three line LED Display multifunction energy meter.
- CT secondary -/1A or -/5A (site selectable).
- Password protected programming.
- RS 485 MODBUS communication.
- Provision for special screens display.
- Measurement Range- 60V AC to 300V AC P-N.
- Pulse output.

Automatic Power Factor Controller (APFC)

- Auto detection of Capacitor Values, KVAr based sensing with sophisticated algorithm
- Phase reversal correction
- Measures Voltage (L-L), Current, Power Factor(Average), Reactive Power(Total)
- Available in 6, 8, 12, 14 steps



Power Factor Controller

- Microprocessor based intelligent auto switching control.
- Automatic C/K and rated step adjustment.
- Automatic CT polarity correction.
- Display of power factor, current & total harmonic distortion of current.
- Programmable sensitivity.
- Last step can be used as alarm / fan output.
- Under / Over voltage alarm, compensate alarm & high harmonic distortion alarm.

Trivector Meter

- Range : LT-CT operated -/5A.CT/PT operated -/5A & -/1A for HT application.
- Accuracy class 0.5 as per IS 14697/CBIP 88 / IEC.
- Logging & display for tamper data.
- Measurement & recording of Trivector energy.
- Communication : Optical & Hardwired RS232.
- TOD, load Survey data, tamper information downloadable to CMRI through optical port.



Three Phase Dual Source Energy Meter

- One meter records Active Energy of two source.
- Optical port communication & RS485 MODBUS communication.
- Mains / Generator selection through 240V AC / 24V DC Sensing.
- Indication for current reversal tampering and phase availability on the LCD itself.
- Indication on display to indicate the source in use.
- Load survey / Tamper logging available.
- Ratings available : -/5A CT Operated 10-60A.

3Phase Electronic Energy Meter with LCD Display (Available with & without optical comm. port)

Salient Features

- Accuracy Class 1.0 as per IS13779.
- Ratings: -/5A CT operated, 5-20A, 10-40A, 10-60A.
- All standard anti tamper features provided.

Optional Features

- Optical communication port.
- Logging and display of tamper data.
- TOD, load survey, tamper information downloadable to CMRI through optical port.
- Display in absence of power supply.
- Suitable for AMR.



Din Rail Mounting Meters

- Current rating single phase 5-30A, three phase 10-60A & 20-80A & -/5A.
- Communication Modbus RTU for three phase & pulse output for single phase.
- Programmable CT ratio and Scroll lock.
- Suitable for dual source application (only three phase).

3Phase Electronic Energy Meter Counter Type Display

- Range 5-20A, 10-60A, -/5A Ct operated in class 1.0 accuracy as per IS 13779.
- Meter records correct energy with same accuracy under reverse current connection.
- LED indication for current reversal tampering provided.
- Phase available indication provided
- Anti tamper features.



Single Phase Electronic Energy Meter with LCD Display (Available with & without optical comm. port)

Salient Features

- Accuracy Class 1.0 as per IS13779.
- Ratings: 5-30A, 10-60A.
- All standard anti tamper features provided.

Optional Features

- Optical communication port / Rs232 Port.
- TOD, load survey, tamper information downloadable.
- CMRI through optical port.
- Display in absence of power supply.



Net Meter for Solar Roof Top & Solar Plant Application

- Available in Single Phase & Three Phase Net Metering.
- Range: 5-30A, 10-40A, 10-60A, HT CT / LT CT, -/5A.
- 4 quadrant meter with pulse output LED's for kWh & kVArh.
- As per IS 13779 & IS 14697.
- Separate readings for Active Energy kWh, kVAh Import & Export.
- Net Energy kWh, kVAh with sign





ABT Meter (Availability Based Tariff)

- As per IS-14697 & IEC 62053 accuracy Class 0.2 and 0.5.
- Four –quadrant metering for export & import.
- DLMS / COSEM open protocol support.
- Up to 8 tariffs per day.
- Up to 12 channel of load profile data and block load profile data.
- Multiple communication port such as optical, RS 232 & RS 485 port for remote reading & SCADA application.

Smart Meter

- Available in class 1 accuracy as per IS: 16444:2015 Part 1 & Class 0.5s as per IS16444:2015 Part 2.
- Meter rating available in Single Phase 5-30A / 10-60A, 3Ph 10-60A/20-100A, -/5A LTCT operated & -/5A HTCT operated variants.
- LCD type display with backlit & Separate LED for relay status.
- Internal latching relays for Demand & Load Control.
- Suitable for Net Metering.
- Two way communication between Meters & Server for cellular communication and DCU & Server for LPRF communication.
- Tamper event detection, recording & reporting.
- Power event alarm such as Power Outage, Low & High voltage.
- Over the air configuration of programming parameters like TOD, Billing date & time, Integration Period configuration etc. as per IS 15959
- Cellular communication supports DLMS as per IS 15959 with latest amendments.
- Low Power RF on 6LowPAN Mesh technology.
- Cellular communication supports 2G/3G/4G & latest NB-IOT technology.
- Cellular & RF cards are modular based with separate sealing provision.



Smart Prepaid Metering Solution with Dual Source

- Accuracy complies as per requirement of IS13779 for class 1.0 meter and IS14697 for class 0.5 meter
- One-meter records Energy of two sources (Mains/DG)
- Communication protocol; DLMS as well as Modbus for BMS/prepaid application
- Mains/Generator selection through 240V/signal
- Meter can be configured for mains & DG load limit separately
- Load survey & Tamper logging available
- Rating available: 10-60A, -/5A
- Internal latching relay for connection/ Disconnection (not available in LTCT)



Prepaid Metering Solutions

- Available in single phase - 10(60)A, Three phase 10(60)A & 20(80)A.
- Confirming as per IS 15884: 2010 with Class 1.0 accuracy.
- Suitable for dual source application.
- Transparent system for utility and end consumer.
- No worry of meter reading.
- Automatic Supply disconnection for zero or negative meter balance.
- Optional mobile billing software for bill generation.



Long Range Integrated CT Meter

- No need of external CT, meter box and accessories.
- Wide current range, 40-200A.
- Thread-through meter- cable passes through meter.
- Communication options-
 - Optical Port
 - Inbuilt GSM/GPRS Modem
- On Demand & Scheduled data transfer.

Transparent Pilfer Proof Meter Box

- Available for single & three phase variant both.
- Made of UV stabilized transparent & FR grade engineering plastic.
- Extended optical port on top of ease of meter reading through CMRI without opening box.
- Extended push button for scrolling of display parameters.
- Variants available in push fit & hinge type.
- Confirming as per IS 14772 & type tested in NABL Lab.



LPR 6LowPAN metering solutions

- Available in 3 phase 10-40A & 10-60A.
- Energy Meter Based on IEEE 802.15.4.
- Automated device address management.
- Each meter aids transfer of data for self as well as neighboring meter.
- Wire less commissioning, network scalability features.

Automatic Meter Reading Solution

- High speed GSM / GPRS communication 9600 bps
- Suitable for remote reading application.
- On demand data transfer.
- Optional SMS facility for configured events.



Metering Solutions





Switch to Smart. Secure. Sustainable Solutions

State of the Art, Beyond the Latest Technology,
High Level of Protection, Control & Monitoring,
Communicable and Monitored in Latest Mediums
Cloud IoT on PC and Mobile making the Electricity More
Advantageous Safe & Cost Effective



Industrial Products



Air Circuit Breaker



intelliSMART

- Range 400A - 6300A & Icu = Ics=Icw (1s) upto 75kA @ 500Vac.
- 3P, 3P+N & 4P, Fixed Type and Draw Out Type.
- LSIG Protection with Microprocessor at variable time delay.
- Digital display of current, energy, power factor and voltage parameters.
- Fault records, event history and communication available.

Moulded Case Circuit Breaker

MCCB with Double Break Mechanism

- 16A ~ 800A upto 500V AC, Available in 2 Frame sizes, TP & 4P version.
- Conforms to IS/IEC 60947-2.
- Upto 70kA at 415 Vac, Ics = 100% Icu.
- DC range: 16A ~ 630A at 1500V DC, Available in 2 Frame
- Sizes in DP, TP & 4P version.
- Thermal adjustable 40% to 100% & Magnetic setting 5-10In.
- Very low let through energy.
- Clear indication of ON / OFF & TRIP, LINE-LOAD reversibility.
- RoHS compliant & CE marked, ISO 9001 certified.

superTAB RANGE



Electronic MCCB with Display (intelliTAB2.0)

- Rating 40A to 800A, Ics=Icu upto 65kA
- Graphical backlit Display, Bright colored alarm and fault indications
- Separate LEDs for each fault indication, alarm & power.
- Thermal memory with defeat option
- Provision for Test and Query function.
- RJ-11 Communication port, Modbus Communication
- Harmonics measurement & protection
- Fault history with time stamping (RTC), tripping time and current magnitude
- CAN bus for add on module integration
- External neutral protection
- Class 1 accuracy

Smart MCCB Distribution Panel

- Range upto 12 ways
- Incoming-Upto 630A, Outgoing-Upto 250A.
- No. of poles of MCCB – 3 / 4.
- Provision for single Door / Double Door.
- 2-Way Communication through RS 232/485 port
- Remote Monitoring and Control of Multiple MCCBs connected in Network
- Compatible with ModBus Communication
- Also available with Thermal Magnetic on request.
- Fully shrouded bus bar with high short circuit withstand upto 50kA.
- Multifunction Digital Metering - Optional.
- **Protection Parameters, Monitoring & Status**
 - a. Phase/Line Current
 - b. Phase/Line Voltage
 - c. Phase/Line Power
 - d. Phase/Line Energy
 - e. Active Reactive Power
 - f. Power Factor
 - g. Time & Current Settings of Release
 - h. MCCB ON/OFF & Trip Status
- Highly reliable tested solution.





New



Double Break MCCB 1000V DC

- Best Suitable for applications in DC systems
- Rating 16A-800A
- Insulation Voltage upto 1000V, Impulse withstand Voltage upto 8kV
- Inbuilt Shorting Links for easy termination
- Wide range of Accessories
- Double Break type Modular arcing Chambers
- Positive Isolation with Both Pole Breaking
- Double Break arrangement for Positive Isolation
- Suitable for Al and Cu Busbars

Double Break MCCB 800V AC

- Rating 32A-800A
- Insulation Voltage upto 1000V, Impulse withstand Voltage upto 8kV
- High Short circuit Protection capacity
- Wide range of Accessories
- Double Break type Modular design
- Adjustable Thermal and Magnetic Protection release
- Positive Isolation and Manual independent Operation
- Suitable for Aluminum and Copper Busbars



New



TAB™ : Thermal Adjustable Breaker

- Conforms to IS/IEC 60947-2.
- Available in 1P, 2P, 3P & 4P Versions rated current from 10A- 800A & breaking capacity (from 10kA to 65kA).
- Single Pole MCCBs are available from 10A-250A with breaking capacity from 10kA-50kA, SP MCCBs from 63A-250A are available with thermal adjustable feature.
- 4P version available with neutral fully protected.
- Adjustability-offers close protection to different load condition.
- Line load reversibility, Low let through energy.
- Wide range of internal and external accessories.
- ROHS Compliant, also available for DC application.

Microprocessor MCCB

- Rated 25A-800A Breaking capacity 25kA/36kA/50kA/65kA.
- No of Poles 3/4.
- Overload protection ADJUSTABLE in the range 30% to 100% of
- In with variable time setting.
- Short circuit Protection ADJUSTABLE in the range 400% to 1000% of Ir with variable time setting.
- Ground Fault Protection ADJUSTABLE in the range 10% to 40% of In with variable time setting.
- Communication Feature available.
- Suitable for DISCRIMINATION.
- NO EXTERNAL Power required for the electronic circuit.
- True RMS sensing for precise and RELIABLE protection.



MCCB Enclosure

- MCCB conform to IS/IEC 60947-2.
- Current ratings from 16A - 800A, 3P & 4P version.
- Low let through energy.
- Breaking Capacity (kA) : 10kA - 65kA (with MCCB).
- Line Load Reversibility.
- Minimum maintenance, User friendly, robust & compact.
- Highly reliable tested solution.



SDE Range



SDE Series

- Power contactor Range : 9A -630A (3Pole) for AC3 & AC4 duty & 20A-1000A (4Pole) for AC1 duty.
- CE Marked & confirms to IS/IEC:60947-4-1.
- Capacitor Duty Contactors: Up to 50kVAr.
- Mini contactors Range: 6A-12A at 440V AC (AC3) and 20A, AC1 duty with accessories & OLRs.
- Specialized Reversing Mini Contactor for OEM applications ranges from 6A-12A AC3 duty.
- Bimetallic Overload Relay 0.1 -630A with trip class 10A with Inbuilt SPP & Auto Manual Resetting.
- Accessories are common for wide range of contactors.
- High Electrical & Mechanical life.
- Control Voltage: 24, 42, 48,110, 220, 240, 380, 415 & 440V AC and 24, 48,110, 220V DC.

1-φ Submersible Pump Control Unit (SPCU)

- Range - 1 Phase 0.5HP to 5HP in Analog / Digital Models.
- Heavy Duty Power Contactors with Wide Band Coils Voltage
- Sheet Steel Enclosure with Powder Coated in elegant Look.
- Ammeter & Voltmeter



3-φ Submersible Pump Control Unit (SPCU)

- Direct on line: - up to 20 HP
- Star-Delta: - up to 100 HP
- Heavy Duty Contactors for longer life.
- Control Voltage- 280 to 440V.
- Short Circuit Protection - MCB/MCCB (10kA) in Deluxe Model.
- Other Protections - Single Phasing / Over Load / Unbalance Voltages / Reversal of Phases.
- Auto - Manual Bypass Switch.
- Ammeter & Voltmeter with Selector Switch.
- LED indications for R, Y, B Phases & Pump ON/OFF.

DOL & STAR-DELTA Starters

- Range - DOL available up to 20 HP
- - STAR DELTA available up to 35 HP
- - 1-Ph DOL available up to 3 HP
- Heavy duty Solide range of Contactor
- Encapsulated coil enhanced durability and moisture protection.
- Selection of manual & auto resetting of overload relay
- Powder coated deep drawn sheet steel enclosure for excellent finish and durability.



SOLIDE Contactors

- Confirms to latest standard IEC60947-4-1
- 4-Pole & 2-Pole Contactor ratings 12A,16A,20A,25A,32A,40A
- Reliable operation with compact and robust Construction
- Bounce free weld resistant Contacts
- Auxiliary contacts: 1NO+1NC or 2 NO/2NC

3-φ Submersible Pump Control Unit with Smart Controller

- Range: - 5 HP to 75 HP, 415V, Ui=800V, Uimp=8 Kv
- Complete control (Remote ON/OFF, parameter setting & monitoring) via Mobile App
- Remote Operation & Monitoring with 4G, GPRS alongwith GNSS/GPS Cloud Connectivity for smart agriculture
- Anti-Theft protection with GPS tagging, Password Protected Configuration
- Comprehensive voltage and current-based protection features included.





intelliCONTROL
intelligent control

Contactors & O/L Relays



Thermal Overload Relays

- Differential Bimetallic overload relays from 0.1 to 800A.
- Built in 1NO+1NC potential free contacts.
- Choice of Contactor or separate Mounting.
- Option of Manual / Auto or Remote Reset.
- Sealable cover to avoid tampering, Trip indicator.
- Class 10A or Class 20.
- Site Mounted add on accessories.

Contactors

- Widest Range of 3P & 4P Contactors upto 800A.
- Control Contactor with option upto 12 contacts.
- Capacitor Duty Contactors upto 62 kvar.
- Highest Electrical Life upto 2.5 million operations.
- Site mounted add on accessories (Auxiliary Contacts, Mechanical Interlock, Surge Suppressor, Timer, Mechanical Latch Units).
- Type II Co-ordination.
- CE marked & UL Certified.



AV Changeover Switch



AV Onload Changeover Switch

- Range: 6 frame sizes, 63- 3150A, 3 Pole & 4 Pole, IS 13947 part 3/93.
- Arc Chute plates to enhance contact life. 100% rated Neutral.
- Compact body of fiber glass, reinforced polyester resin.
- High Mechanical & Electrical life.
- Total safety with Terminal cover, Source Separator and Phase Barrier as standard feature.
- Mounting possible in both horizontal and vertical position.
- Available in Open Execution and Sheet Steel enclosures.
- Prewired Auxiliary contacts upto 2NO NC.

DC & ACDC Changeover

- Eco Friendly product
- Sturdy Mould with high Thermal withstand capacity
- Safety against Arc & longer contact life
- Total shrouded - protection against accidental touch of live parts



Automatic Transfer Switch AV ATS CME 310, 320 & 330

- Range from 40A to 1600A
- Wireless input supply
- Wireless Logic Control
- Unique Fire Protection System Linkage
- Widest voltage range 150V AC to 330V AC
- Widest operating Temperature -30 to +70°C
- Auto Control DG Start/ Stop
- Auto Priority or available source selection
- LED indication
- Panel knockout for operating ATS by Handle, select Auto/ Manual Mode & Pad Lock
- Live Terminals are at safe distance and covered with Shroud
- Switch mounting Vertical & Horizontal
- Display on panel door VIF with RS 485 Port



Automatic Transfer Switch AV ATS CME 360 & 370

- Controller on Switch & on Panel Door
- Control, Measure, Programmable & Enable/ Disable over 45 parameters
- Widest voltage range 18V DC - 330V AC
- Widest operating Temperature -30 to +70°C
- Widest configurable ON delay time of 24 Hours
- Unique Fire Protection System Linkage
- Communication & Control via RS485 MODBUS
- Ethernet, Cloud/ IoT via Gateway on Mobile App & PC
- Remote operation through PLC/ SCADA/ EMS
- Event recording last 6 months via communication reducing ATS Downtime
- Maximum spares for site maintenance
- Team of Qualified Trained Service Professionals PAN India
- Switch Mounting Vertical & Horizontal
- Soon coming up with Overlapping Neutral

Automatic Transfer Switch AV ATS

- Range 40A-1600A, 4P, AC 23A, 3 frame sizes open executions in enclosures.
- Trip Safety as standard feature, CE marked, RoHS Compliant.
- Power monitoring- kWh, kVAh, kVA, kVAh.
- User selectable RS232 & RS485 communications.
- Remote monitoring, Customer Oriented Controllers.
- Configurable over riding voltage parameters.
- Maximum spares for on site repair solutions.
- Programable Monitoring & Control.
- Auto DG Start Stop with Impluse & Continues Voltage.
- Configurable Digital Inputs and Outputs.



AV Switch Fuse Changeover

- Range : 125A-630A, 4 Pole, 415V AC as per IS 13947 Part 3/93.
- Arc Chute plates to enhance contact life. 100% rated Neutral.
- Body of fiber glass reinforced polyester resin.
- Prewired Auxiliary contacts upto 2NO NC.
- Protection against over current and short circuit faults by fuses of high rupturing capacity of 80kA rms.
- Total safety with Terminal cover, Source Separator and Phase Barrier as standard feature.
- Available in Open Execution / Sheet Steel enclosure.

AV On Load Bypass Switch

- Range: 63A - 1600A, 4 Pole, 415 V AC as per IS 13947 Part 3/93.
- Arc Chute plates to enhance contact life. 100% rated Neutral.
- Switch is designed for specific need in IT industries where UPS and Servo stabilizer provides main source of supply.
- Prewired Auxiliary contacts upto 2NO NC.
- Available in Open Execution / Sheet Steel enclosure.
- Total safety with Terminal cover, Source Separator and Phase Barrier as standard feature.



AV Cubicle Load Break Switch also in PV

- Range : 63 - 3150A, 3 Pole & 4 Pole, 415 V AC as per IS 13947 Part 3/93.
- Available also in up to 800V AC & up to 1500V DC.
- Arc Chute plates to enhance contact life. 100% rated Neutral.
- Pre-wired Auxiliary contacts up to 2NO NC.
- Available in Open Execution / Sheet Steel enclosure.
- Total safety with Terminal Cover, and Phase Barrier as standard feature.





Isolators (Upto 800VAC & Upto 1500VDC)

- Range: 125A~630A up to 1500V DC & 800V AC Conforms to IS/IEC 60947-3.
- Glass fiber reinforced polyester housing with high dielectric strength
- Quick Make & Quick Break mechanism with Clear "ON" and "OFF" indication.
- Auxiliary contacts for pre-break & signaling of O & I positions.
- High Mechanical & Electrical Life, further enhance contact life with Arc chutes.
- Switch available in Direct mounted, Open execution & in Sheet steel enclosure also.
- Unique Safety handle with Pad locking facility.
- AC-23A & DC21B category, RoHS complaint, CE marked, ISO 9001:2015 certified.
- Inhouse DC test Lab facility capacity 700A & upto 1500V DC.
- DC Test Bench for Electrical Endurance Test, Make/Break Test, Temperature Rise Test, 4-channel Oscilloscope with DC probe for Voltage & Current measurement.
- Switch mounting leg made of Insulated material evades leakage current passing to the panel.

Protection Switch

- Protection Switch Enclosures (VCS)
- To meet Local Emergency Protection
- Switch -Norms as per IEC 60204
- Ranges from 50A-250AAC23A with IP 55 protection with positive isolation.
- To meet local Emergency Protection Switch Norms as per IEC 60204.

NEC recommends to create safer Environment as below:

- A Protection Switch has to be in easy sight for power system equipment.

- To lockout/tag out procedure for motor.
- Door Lock, pad lock, visual contacts flag indication
- Eliminates any risk of burn, fire, explosion and electric shock. Ensure cessation of any movement (motor Rotation-Escalators, Conveyors, Belts, and Crushers etc.)
- Disconnect locally without going to the main panel with only the targeted machine is switched off.



LBS & SDF



LK - HPL Switch Disconnecter Fuse

- Range : 32A to 800A, TP, TPN & 4 Pole, 415V, 50Hz.
- Confirms to latest IS/IEC 60947-3.
- Tested at CPRI for AC-23A duty applications.
- Multiple Roller Contact Mechanism for long life and better performance.
- Available in open execution and sheet steel enclosure.
- Available in BS & DIN type HRC fuse links.
- Excellent performance for capacitor duty applications also.

LK - HPL Load Break Switch (Isolator)

- Range : 32A -3150 TP, TPN & FP, 415V 50Hz.
- Confirms to IS/IEC 60947-3.
- Multiple roller contact mechanism for long life & better performance.

- Available in open execution & sheet steel enclosure.
- Excellent performance for capacitor duty applications also.



DC Fuse Holder & Link

- Range upto 80A & Voltage :1000V DC & 1500V DC
- Operating temperature-55°C to +125°C
- ROHS Compliance & UL 94 V-0 Flammability rated.



Fuse Switches



HRC Fuse Link & Base-BS & DIN Type

- Range (DIN type - Fuse Link & Base) : 6A to 630A.
- Range (BS type - Fuse Link) : 2A to 630A.
- Range (BS Type Fuse Holder) : 20A to 125A.
- Breaking capacity>80kA at 415V, AC, 50 Hz.
- Front Connection options for fuse Holders (of BS type).
- Conforms to IS : 13703 / 93 & IEC 269-1986.
- Low Watt loss.
- Tested at CPRI.

Switch Fuse Unit (SFU)

- Range: Rewireable Switch Fuse Unit : 32A to 320A
- Changeover Switches : 32A to 2000A
- HPL Porcelain Fuse : 32A to 500A
- Tested at CPRI.
- Confirms to IS/IEC 60947-3 / IS 2086.



APFC Panel

- Range 10 kVAr – 1000 kVAr (other ratings on request)
- Voltage Range –415/440 Volt , 50 HZ
- Heavy Duty /Super Heavy Duty Capacitor Long Life/Harmonic Reactors
- Intelligent Dynamic APFC Relay
- Reliable Solution for Harmonics
- Designed with Fully Copper Conductor
- Seven Tank Process for Corrosion Proof powder coating



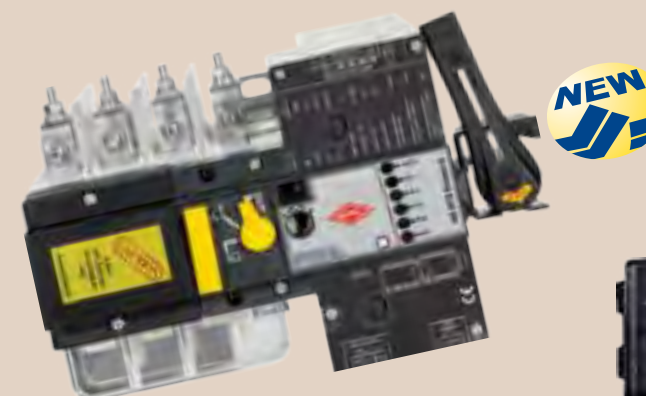
TTA Panel

- Conforms to IEC-61439-1 & 2-2020
- 3Phase, Ue = Up to 440Vac, Ui = 750V, upto 85kA/Sec
- Range Up to 4000A
- IP- Up to 54; IK-07 & Form-4b



AV ATS

Advance Version Automatic Transfer Switch
Changeover applications 40A-1600A



Think Solar.
Think Technology.



Solar Solutions



String Combiner Box (1500V DC)

- SCB are first point of contact for Solar PV plant and are used to combine multiple string or arrays from PV modules to collate Single DC Output.
- Designed and manufactured with top quality components and workmanship to deliver best in class product to our clients.
- Customized product range from 1000VDC to 1500VDC with reliable safety features & up to current rating 60A / String.
- Our String Combiner Boxes are in-line with IEC & UL Standards.
- Designed and manufactured under strict engineering standards to face challenging environmental conditions to deliver undoubted performance on field.
- Offer a wide range of String Combiner Box solution to cater utility, commercial and residential segments.

String Monitoring Box (1500V DC)

- SMB are advanced version of SCB integrated with PCB to monitor different analog & digital parameters.
- SMB are designed and manufactured with top quality components and workmanship to deliver best in class product.
- Offer string monitoring solutions to Cater Utility, Commercial and Rooftop segments.
- Our String Monitoring Boxes are in-line with IEC & UL Standards.
- SMB are manufactured with strict engineering standards to deliver high reliability product to face challenging environmental conditions on field.
- SMB are used to measure SPD Status, DC Disconnecter Status, Temperature Measurement, Voltage & Current Measurement & other customized parameters.



Solar Array Junction Box (AJB & DCDB)

- Array Junction Box is meant for combining all the incoming lines from the solar panel strings/arrays and deriving one common string / array output for the multiple array inputs.
- The DC distribution unit is used to collect the DC output from Array Junction Box (AJB) and supply it to the inverter.
- The enclosure is made of high quality poly-carbonate with IP-65 degree of protection.
- AJB & DCDB are insulated according to the requirements of IEC 61439-1 & 2 and tested up to an operating voltage of 600VDC / 1000VDC.
- Blocks the reverse flow of current from battery to solar panels.
- Obstructs sudden surges due to lightning strokes during cloudy and rainy conditions and ground the surges immediately.

AC Distribution Box

- AC Distribution Boxes are tested and certified as per IEC/IS standard up-to operating voltage of 690V AC.
- The AC Distribution Box are available in CRCA / Polycarbonate / FRP enclosure with screw and latches opening provision to maintain to deliver better reliability towards tough weather conditions.
- Degree of protection IP-65/66.
- Tailor made product as per customer requirements.
- AC Distribution Boxes CRCA Enclosure are crafted with in house powder coating and phosphating facility.





AC Combiner Box / LT Panel upto (800VAC)

- Designed and developed to combine multiple outputs from string inverter's to deliver safe operation of system.
- Designed and manufactured under strict engineering rules and regulation to deliver best in class product to our customers.
- Manufactured with key and top quality components to face challenging environmental conditions.
- Suitable for indoor & outdoor installation with weatherproof features.
- Suitable for Ground Mounted / Rooftop Solar projects.
- AC Combiner Boxes & LT Panel are inline with IEC & IS Standards.
- With team of technical competence, product can be tailor made as per project requirement.
- With competent compartmental design and maintaining clearance and creep age ratio our product stands to mark in terms of durability.

Surge Protection Device (SPD)

- IEC 61643-31:2018 Complied
- High Energy MOV
- In is 20kA & I_{max} is 40kA
- IP 20 rated
- Dinrail Mounted
- UV Protected
- Available in 275Vac upto 800Vac 600Vdc to 1500Vdc



Fuse Holder / Fuse Link

- Tested as per IEC Standards
- TUV Certified
- Available upto 80 Amps / 1000V DC & 1500V DC
- Low Temperature rise
- Low power consumption
- Long Service life
- Standard Size & Compact Structure
- Manufactured with top quality & precise rating components to deliver product with Imparalleled quality
- Suitable for ground mounted/rooftop applications
- Designed & Manufactured under strict Engineering standards to deliver best in class product with reliable safety features



Solar NET Meter (Import/Export Meter)

- Available in Single Phase & Three Phase as per BIS.
- AMR compatible unit for local and remote communication.
- Internal Battery Back up to Display Meter Data in power off event.
- kWH, kVAh measurement for import & export mode.
- History of energy consumption for Billing months.
- TOD wise, Daily & block load survey for profile Data availability.
- Self Diagnostic facility, Anti -Tamper/Event logging.
- Data download through optical Port & RS 232 port.
- Backlight LCD display & Minimum 200 Tamper event data.

Solar LED Street Light

- High efficient Luminary with inbuilt charge controller.
- Separate LED's indication of battery charging & discharging.
- Over voltage under voltage and short circuit protection.
- Lamp life - 50,000 burning hrs. with L 70 criteria.
- Micro processor managed algorithms autonomously determine sunrise & sunset.



Solar Cable

- UV resistance: full protection against ultraviolet rays.
- Outdoor durability: resists extreme temperatures (-40°C to 120°C maximum at the core) and ozone resistant.
- Halogen - free: Low Smoke Emission & Low Toxicity/Corrosively during fire.
- Lifetime reliability: lasts up to 30 years even under tough external conditions.

Think Solar.
Think Technology.



The Perfect
SOLAR ENERGY
FOR YOUR HOME





Technology Packed to Protect your home

MCB

- Compact and aesthetically designed to meet the requirement of high end customer.
- Available in SP,SPN,DP TP,TPN FP 0.5Amp. to 125Amp.
- Installations and removal of MCB without removing Din Rail.
- Overload & Short Circuit Protection & Finger touch proof (IP20)
- Comprehensive range offering reliable solution for protection of installations against overcurrent
 - Ergonomically designed toggle for comfort switching
 - Energy Limiting Class 3 to ensure low let through energy to limit thermal & mechanical stress on cables.

DB

- DB's are designed to meet the requirement of today's building industry for domestic, commercial & industrial application.
- Fitted with Din channel, Bus Bar, Neutral Link Bar, Earth Bar, Inter connecting cables with copper thimble.
- Suitable for flush mounting & surface mounting.
- Insulated Bus Bar rated upto 200A & Available in SPN and TPN versions.
- Intelligently designed to provide the maximum space for wiring.
- Door earthing for safety.
- Supplied with masking sheet to protect components from cement during plastering.
- The new age distribution boards with greater convenience and impressive aesthetics.
- Quick & easy to install
 - Additional safety for human protection
 - Exceptional aesthetics
 - Wide range to suit all applications
- Double packaging for door protection until installation is complete

Higher Rating MCB



Isolator



MCCB



RCCB & RCBO



Changeover Switch



ACCL



Distribution Board



Domestic Products



Osäfe MCB



- Range : 0.5Amp - 63Amp in SP, SPN, DP, TP, TPN, FP.
- Specification : IS/IEC-60898-1.
- Rated Voltage : 240/415V AC, 50Hz.
- Contact position indicator red/green & Padlock/Sealing facility.
- Rated Breaking capacity 10kA & Energy Limit Class 3.
- Installation and removal of MCB without removing Busbar, as 3 position mounting clip makes it possible.
- Bi-connect termination on both sides & snapon fitting on accessories.
- Cable termination capacity of wire upto 35sq.mm.
- Can be sealed with leads in the ON or OFF position.

Osäfe DC MCB

- Range 6Amp - 63Amp.
- Voltage Rating SP-250V, DP- 500V & FP- 1000V DC
- Rated Short Circuit Capacity 10kA.
- Design Add on type in SP, DP & FP.
- Specification Reference IS 60947-2.



Osäfe RCCB



- Range: 25-80Amp, 2 Pole & 4 Pole Version.
- Sensitivity: 30mA, 100mA, 300mA.
- Conforms to IEC 61008-1 & IS:12640-1.
- Dedicated earth leakage protection.
- Voltage Rating 240/415V (AC), 50Hz.
- Protection against Electrocution, Short Circuit & Electrical fire.
- Consistent performance, Compact & Space saving.
- Auxiliary Switch optional.

Osäfe RCBO

- Range 6Amp-63Amp, 240/415V AC.
- Available in SP+N, 2P & 4P.
- Rated Residual Current 30mA, 100mA, 300 mA.
- Rated Short Circuit Capacity 10kA.
- Design compact type in DP & FP.
- Specification Reference IS12640-2 & IEC 61009-1.



Osäfe Isolator



- Range : 40, 63, 80, 100 & 125 Amps.
- Conforms to IS/IEC 60947-3.
- Rated Voltage 415V.
- Breaking Capacity 10kA
- Contact position indicator red/green & Padlock/Sealing facility.
- Bi-connect termination on both sides & snapon fitting on accessories.
- Cable termination capacity of wire upto 35sq.mm.
- Available in 2P, 3P & 4P version.
- Finger touch proof (IP-20).

Osäfe Distribution Board

- Available in SPN and TPN versions.
- Compact and aesthetically designed to meet the requirement of high end customer.
- Intelligently designed to provide the maximum space for wiring of Db's.
- Shrouded Neutral Bar.
- Door Earthing.
- Mounting of MCB's on Height adjustable DIN Channel.
- Available with Cement Guard Protection.





Techno N MCB

- Range : 0.5 to 63 Amps 240/415V, AC.
- Available in SP, SPN, DP, TP, TPN & FP.
- Breaking capacity 10kA
- Insulation voltage: 660V, frequency: 50Hz.
- Finger Touch proof (IP20).
- Protection against Short Circuit & Over Load.
- Low let through energy & low watt loss.
- Energy limit class 3.
- Trip free mechanism.
- Available in B, C & D Curve.
- DC MCB available in SP & DP.
- DC MCB voltage : 12V to 220V.

Techno N Isolator

- Range : 40, 63, 80, 100 & 125 Amps.
- Conforms to IS/IEC 60947-3.
- Rated Voltage 415V.
- Breaking Capacity 10kA
- Contact position indicator red/green & Padlock/Sealing facility.
- Available in 2P, 3P & 4P version.
- Finger touch proof (IP-20).
- I/O Contact position indicator Padlock & Sealing facility.



Techno MCB

- Range : 0.5Amp - 63Amp in SP, SPN, DP, TP, TPN, FP.
- Specification : IS/IEC-60898-1.
- Rated Voltage : 240/415V AC, 50Hz.
- I/O Contact position indicator Padlock & Sealing facility.
- Rated Breaking capacity 10kA & Energy Limit Class 3.
- Installation and removal of MCB without removing Busbar, as 3 position mounting clip makes it possible.
- Bi-connect termination on both sides & snapon fitting on accessories.
- Cable termination capacity of wire upto 25sq.mm.
- Can be sealed with leads in the ON or OFF position.

Techno Isolator

- Range : 40, 63, 80, 100 & 125 Amps.
- Conforms to IS/IEC 60947-3.
- Rated Voltage 415V.
- Breaking Capacity 10kA
- Contact position indicator red/green & Padlock/Sealing facility.
- Available in 2P, 3P & 4P version.
- Finger touch proof (IP-20).
- I/O Contact position indicator Padlock & Sealing facility.

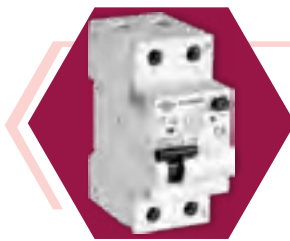
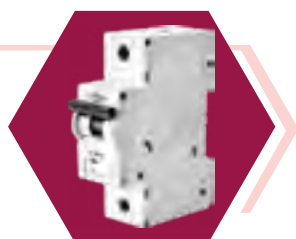


Techno RCCB

- Range: 25-80Amp, 2 Pole & 4 Pole Version.
- Sensitivity: 30mA, 100mA, 300mA.
- Conforms to IEC 61008-1 & IS:12640-1.
- Dedicated earth leakage protection.
- Voltage Rating 240/415V (AC), 50Hz.
- Protection against Electrocution, Short Circuit & Electrical fire.
- Consistent performance, Compact & Space saving
- Auxiliary Switch optional.

Higher Rating MCB

- Range 80Amp, 100Amp & 125 AMP, 240/415V AC.
- Available in SP, DP, TP & FP.
- Rated Short Circuit Capacity 10kA.
- Design Add on type in SP, DP, TP & FP.
- Specification Reference IS / IEC 60947-2.



Techno RCBO

- Range 6Amp-63Amp, 240/415V AC.
- Available in SP+N, 2P & 4P.
- Rated Residual Current 30mA, 100mA, 300 mA.
- Rated Short Circuit Capacity 10kA.
- Design compact type in DP & FP.
- Specification Reference IS12640-2 & IEC 61009-1.

Techno MCB Changeover Switch

- Range 6Amp-63Amp, 240/415V AC.
- Available in 2P & 4P.
- Rated Short Circuit Capacity 10kA.
- Design Add on type in DP & FP.
- Specification Reference IS / IEC 60947-3



Rakshak MCB

- Range: 6 to 63A.
- Available in SP, SPN, DP, TP, TPN & FP.
- Specification Reference IS:60898-1.
- Protection against Short Circuit & Over Load.
- Finger Touch proof (IP20).
- Available B & C curve.
- Breaking Capacity : 6kA.
- Voltage Rating : 240/415V.
- Low watts loss hence energy saving.
- Low let through energy.

Rakshak Isolator

- Range : 40, 63, 80, 100 & 125 Amps.
- Conforms to IS/IEC 60947-3.
- Rated Voltage 415V.
- Breaking Capacity 10kA
- Contact position indicator red/green & Padlock/Sealing facility.
- Available in 2P, 3P & 4P version.
- Finger touch proof (IP-20).
- I/O Contact position indicator Padlock & Sealing facility.



Automatic Changeover with Current Limiter ACCL

- Micro Controller Based Design.
- Inbuilt SMPS for low power consumption.
- Terminal Capacity 6 Sq.mm.
- LED Indication for ON/OFF/OVERLOAD status.
- Din Rail Mounted 35mm.



BELLOZA Series Distribution Board



SP & N Double Door Distribution Board

- Single Phase and Neutral Sheet Steel
- Powder Coated Distribution system fitted single cover with Magnetic Lock for protection of MCB's fitted with Bus Bar
- Neutral Link, Earthing Bar and Din Rail.
- Suitable for use on 240/415V, 50Hz supply.

TP & N Double Door Distribution Board

- Three Phase and Neutral Sheet Steel
- Powder Coated Distribution system fitted single cover with Magnetic Lock for protection of MCB's fitted with Bus Bar
- Neutral Link, Earthing Bar and Din Rail.
- Suitable for use on 240/415V, 50Hz supply.





ENTERO Series Distribution Board



Distribution Systems Single Door

- User friendly, Aesthetically designed available in EX series Distribution Systems in 4ways to 16 ways.
- SPN & TPN Versions.
- Can be mounted on surface / flush.
- Fitted with DIN channel, Bus Bar, Neutral Link Bar, Earth Bar, Inter connecting cables with copper thimble.

Distribution System Double Door

- User friendly, Aesthetically designed available in DX series Distribution Systems in 4 ways to 16 ways.
- SPN & TPN Versions in Single / Double Door - IP43.
- TPN DB's fitted with detachable gland plates.
- Special DB's for projects also available.
- Fitted with DIN channel, Bus Bar, Neutral Link Bar, Earth Bar, Inter connecting cables with copper thimble.
- Complete range of DB's with Double punched knockout to facilitate different size cable glands.



Vertical Distribution Systems

- Aesthetically designed, good looking & superior DB's with latest style.
- Fitted with Bus Bar, Shorting Links, Neutral Bar & Earth Bar.
- Compact design having complete shrouding all over the inter connecting links.
- Provision of ELCB along with TPN/FP Isolator as incomer.
- Suitable to use as SP/DP/TP/TPN outgoing.
- Available with MCCB as incomer upto 250Amp.

Tier Distribution Board

- Aesthetically and user friendly design available in Single / Double / Three / Four Row version with - IP43 protection
- Provide total flexibility as per site needs.
- Configuration as per customer choice of Incomer and Outgoing.
- Top and bottom, removable gland plates with knockouts.



Vertical Distribution Systems

- Aesthetically designed, good looking & superior DB's with latest style.
- Fitted with Bus Bar, Shorting Links, Neutral Bar & Earth Bar.
- Compact design having complete shrouding all over the inter connecting links.
- Provision of ELCB along with TPN/FP Isolator as incomer.
- Suitable to use as SP/DP/TP/TPN outgoing.
- Available with MCCB as incomer upto 250Amp.

Phase Selector Distribution Systems

- Compact distribution system with mounting convenience and operation.
- Flexibility to use MCB's and RCCB / RCBO protection class IP-43
- Fitted with : DIN channel Bus Bar Neutral Link Bar 3 Nos.
- Phase changeover switches duly wired (except for MCB's and RCCB's).



Pre-wired Distribution Board

- DB's Duly pre-wired with FR/FRLS wire.
- Available SPN & TPN Versions Double Door IP-43.
- Fitted with bus bar terminal block for incoming/outgoing phase.
- Neutral & earthing duly pre-wired.
- Provision of MCB / Isolator / RCCB as incomer.
- Available in 1.6mm & 1.2mm sheet steel thickness.



Consumer Unit - Double Door

- Aesthetically designed Single phase distribution systems.
- Dully coated with the latest powder coating technology for long lasting surface finish.
- Available with transparent plastic cover.

Plug & Socket Distribution Systems

- Range : SP-10-20A : TP-20-30A
- Provision for SP / SPN / DP / TP MCB.
- CRCA powder coated DB.
- Elegant Surface / Flush Mounting Design.



DURO Series Distribution Board



SP & N Double Door Distribution Board

- Single Phase and Neutral Sheet Steel
- Powder Coated Double Door Distribution system fitted with two cover- one screwed cover for incoming and out going for MCB and second for protection of MCB's fitted with Bus Bar,
- Neutral Link
- Earthing Bar and Din Rail.
- Suitable for use on 240/415V, 50Hz supply.

TP & N Double Door Distribution Board

- Three Phase and Neutral Sheet Steel
- Powder Coated Double Door Distribution system fitted with two cover- one screwed cover for incoming and out going for MCB and second for protection of MCB's fitted with Bus Bar
- Neutral Link,
- Earthing Bar and Din Rail.
- Suitable for use on 240/415V, 50Hz supply.



**Technology packed to
Protect your home**





Secure Your Spaces. Empower Your Connections.

Premium Wires & Cables – Built for Safety. Engineered for Performance.

- 99.97% pure electrolytic copper for superior conductivity and long-lasting performance
- Available in FR, FR-LSH & Zero Halogen (HFFR/ZHFR) – for unmatched fire safety and low smoke emission
- Flame-retardant, low-toxicity insulation – protects what matters most during fire emergencies
- Flexible, easy-to-install design – perfect for both residential and commercial wiring
- Wide range of sizes, colors, and types – from domestic wiring to industrial cabling
- Conforms to IS 694, IS 17048, IS 1554, IS 7098 & IEC standards – guaranteed quality and reliability
- Designed for energy efficiency – reduces power loss and enhances safety



Wire & Cables



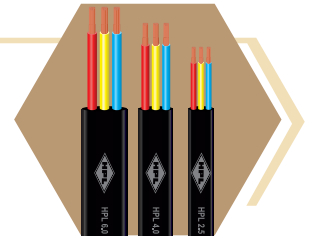
Domestic & Industrial Wire



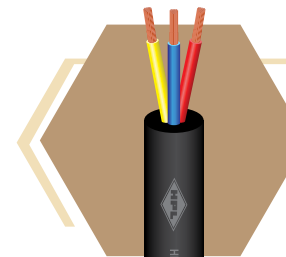
- Range : 0.5 to 400 Sq. mm in Single Core & Multicore.
- Available in FR / FR-LHS / HR / ZHFR insulation Conforms to IS : 694.
- Multi strand 100% Pure annealed Electrolytic grade copper conductor.
- Bunching of copper in uniform lay & diameter.
- High insulation Resistance.
- Double Insulated with ultra thin layer.

Submersible Cable

- Range : 1.0 to 50.0 Sq. mm three core flat cable.
- Multi stranded bare annealed electrolytic grade copper conductor.
- Conforms to IS:694.
- Specially formulated PVC compound (Type A & ST-1).
- Round submersible cable can be specially asked for.



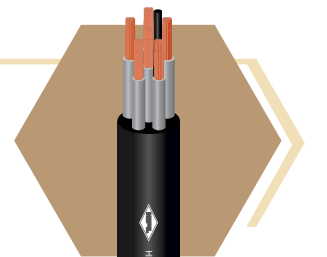
Multicore flexible cable as per IS:694/2010



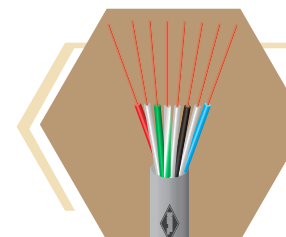
- Range :-2C x 0.5 sq. mm to 25C X 2.5 sq. mm and 4 core up to 95 sq. mm flexible cable
- Available in FR/FR-LSH / HR/ ZHFR insulation and sheathed cable, and compatible for -15°C, -20°C, -40°C and +70°C, 85°C, 90°C.
- Twisted cores with suitable lay for proper round shaped cable
- Equal and uniform concentricity of insulation and sheath for better IR and HV value.

Control Cable

- Range : 1.5 & 2.5 Sq. mm upto 37 Core, 1100 Volt Grade confirming to IS:1554-1/1988 & IS 7098-1/1988.
- Solid/ Stranded 100% pure annealed Electrolytic copper conductor.
- Insulation PVC/XLPE/HR.
- Armoured/ Unarmoured- GI Round wire/Flat Strip.
- Outer Sheath PVC (ST-1 & ST- 2) / FR-LSH/FR/ ZHFR.
- Heavy Duty Performance & Best combination safety.
- Efficient & economical.
- Use in Process Control, Communication and Panel control.

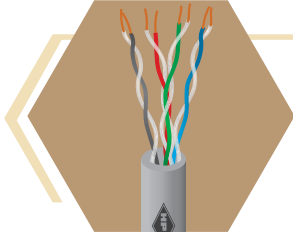


Telephone Cable



- Range : 0.40 & 0.50mm dia conductors available up to 50 pairs.
- Solid / Stranded Bare annealed copper Conductor.
- PVC / PE Insulated.
- Individual / Overall Shielded with Aluminium tape (Polyster backed)/ Melinex Tape / Wire braiding / Aluminium foil taping.
- Low cross talk, Low attenuation, High speed transmission.

Wire & Cables

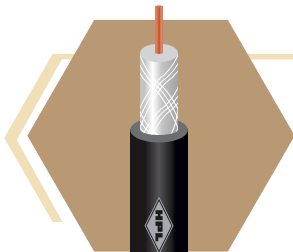
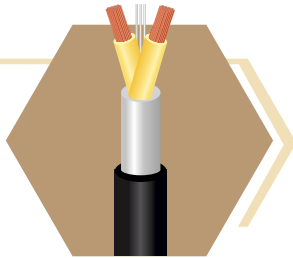


Networking Data Cable (CAT - 5e & 6)

- Range : 4-Pair UTP CAT-5e and CAT-6 Cable.
- Solid 100% pure annealed Electrolytic grade copper conductor.
- Low attenuation and cross talk.
- Low structural return loss.
- Frequency 100MHz for CAT-5e cable and 250MHz for CAT-6 Cable.
- Gigabite Ethernet & Suitable for Voice, Data, Video.
- 100 ohm impedance cable.

Instrumentation Cable

- Range : 0.5 Sq. mm to 2.5 Sq. mm Conforming BS 5308-I & II.
- Shielding: Core/Pair/Triad/Quads.
- ABC/ATC, Solid/Standard 100% pure annealed Electrolytic grade copper conductor.
- Armoured / Unarmoured - GI Round wire / Flat Strip.
- Low attenuation and cross talk.
- For Analog & Digital Signals & Low structural return loss.
- Use in Digital Control, measuring & Communication systems.

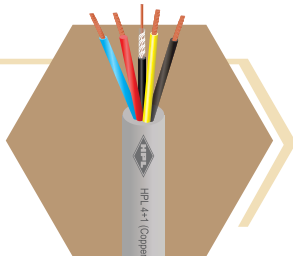


Co-axial Cable / CCS

- Range : RG-59, RG-6, RG-11.
- Solid bare annealed electrolytic grade copper.
- PE foam & Specially formulated FR PVC.
- Aluminum Alloy Braiding / Aluminum Foiling / Taping.
- Low attenuation, High band width Moisture proof, low loss signal Quality.

CCTV Cables

- Range : 3+1 CCTV and 4+1 CCTV Cable.
- PE insulated with Nylon foamed dielectric aluminum foil taped, Jelly flooded, braided with aluminum alloy / copper and FR PVC sheathed cable.
- Coaxial Cable consists of solid annealed bare copper conductor.
- Low loss characteristics reduced attenuation of the video signal.

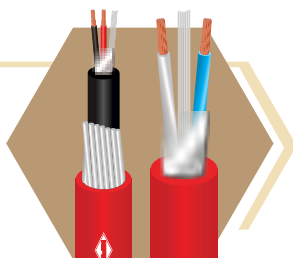


DC Solar Cable

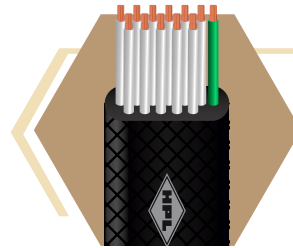
- Range : Single core 2.5, 4, 6, 10, 16, 35, 50, 70 & 95Sq. mm.
- Specially formulated cross linked Polyolefin compound insulated and low smoke zero halogen sheathed with UV and Ozone resistant.
- Flexible tinned annealed electrolytic grade copper conductor.
- Latest requirement for PV system as per EN-50618.

Fire Survival Cables

- Range: 0.5 Sq. mm to 2.5 Sq. mm Conforming BS: 7846 600/1000 Volts.
- Shielding: Core/Pair/Triad/Quads with Mica/glass fire barrier tape.
- ABC/ATC, Solid/Standard 100% pure annealed Electrolytic grade copper conductor.
- Armoured / Unarmoured - GI Round wire / Flat Strip.
- Operating Temperature -10°C +90°C.
- Fire Tests Bs6387 CWZ, BS 8491, IEC 60331- 2.



Wire & Cables

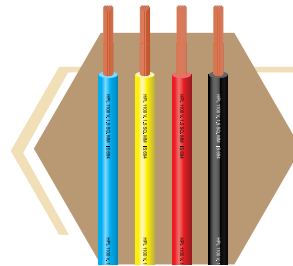
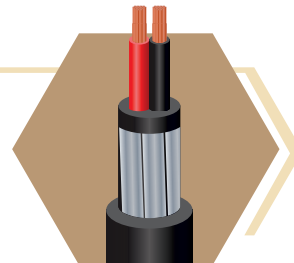


Flat Elevator Cables

- Description: Flexible flat cables used in elevators, hoists, and conveyors to ensure smooth movement without twisting or tangling.
- Typical Sizes: 0.5 sq. mm to 2.5 sq. mm, 4 to 12 cores (control and power combinations).
- Applicable Standards: Generally conform to IEC 60227-6 (PVC insulated) or customer specifications.

Power Cable – Armoured / Unarmoured (PVC/XLPE)

- Low- and medium-voltage power distribution cables available with mechanical protection (armoured) or without (unarmoured).
- Typical Sizes: 1.5 sq. mm to 630 sq. mm single or 4 x 50 sq. mm multicore, rated up to 1.1 kV (LT).
- Applicable Standards:
 - PVC insulated: IS 1554 (Part 1) / IEC 60502-1
 - XLPE insulated: IS 7098 (Part 1) / IEC 60502-1

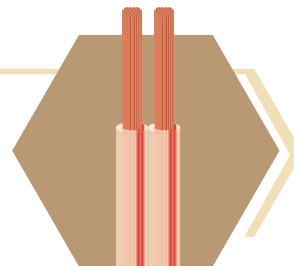


FR, FR-LSH, HFFR (ZHFR) Cable

- Single-core or multicore building wires for power and lighting, designed for enhanced fire safety.
- Typical Sizes: 0.5 sq. mm to 6 sq. mm (single-core) as per building wiring needs. and up to 240 sq. mm for industrial use.
- Applicable Standards:
 - FR: IS 694 / IEC 60227 (Flame Retardant PVC)
 - FR-LSH: IS 694 (Flame Retardant Low Smoke & Halogen PVC)
 - HFFR / ZHFR: IS: 17048, IEC 60502-1, IEC 60754, IEC 61034 (Halogen Free, Low Smoke)

Speakar Cable

- Flexible twin-core transparent PVC cables designed to carry audio signals with minimal loss. Used for home theater, PA systems, and professional sound installations.
- Typical Sizes: 0.5 sq. mm to 4.0 sq. mm (2-core, ABC or ATC copper).
- Applicable Standards:
 - Customer specifications/ IEC 60228 (conductor class) for strand flexibility.



Smart Wires to Power your Home

- Flame Retardant
- Electrolytic 100% Pure Copper
- High Insulation Resistance
- Double Insulation Process With Ultra Thin Layer





DESIGNED to IMPRESS

- Aesthetic Versatility to match any interior design.
- Durability and long operational life.
- Enhanced safety features like IP-20 protection.
- Blend of innovation, functionality and elegance across the product lines.
- Flexibility for various configurations and installations for easy customization of electrical points.
- Competitively priced, providing excellent value and enduring high quality standards.

Smart Modular Switch



Edeno Switch



Multi Plugs & Holder



Water Alarm



Musical Bell



Spike Guard



Electrical Wiring Accessories

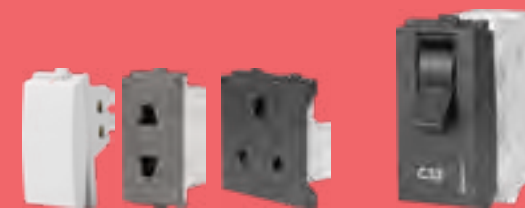
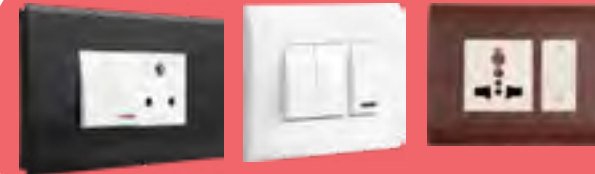


smART

ART MEETS STATE-OF-THE-ART

Smart Modular Switch

- ROHS Compliance.
- Captive Screws.
- Dual Protection for spark shield.
- High Grade Flame Retardant Engineering Plastic (Polycarbonate).
- Silver Nickel contacts for trouble free operations.



AC Box

- AC 3M/4M with single pole MCB
- Plate & Metal box
- Plug top with Indicator



Edeno Switch

- Low noise
- Brass Terminals
- Captive screws
- Tunnel terminals
- Shuttered socket
- Wire capability of 6 sq. mm



Tuff (Solo Switch)

- High Grade Flame Retardant
- Engineering Plastic (Polycarbonate).
- Tested as per BIS Standard.





Spike Guard

- Universal sockets.
- Length of cable 1.6-1.8 Mtr.
- Surge protection in built.
- Connector swivels 360°.
- Metal Oxide Varistor (MOV) used as safeguard against surge & spikes.
- Material in use - FR ABS plastic.

Extension Cord

- Equipped with universal socket 3 pin & 2 pin sockets.
- Rated current - 6A.
- Rated Voltage - 250V AC, 2.4KW.
- PVC insulated wire 4mts. in length.
- Engineering plasti material for high impact & chemical resistance.
- Material in use - FR ABS plastic.

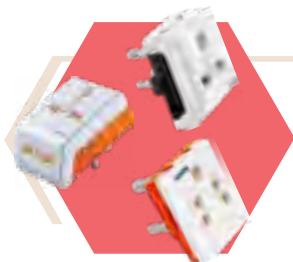


Power Strip

- Universal sockets.
- Length of cable 2-3 Mtr.
- Surge protection in built.
- Connector swivels 360°.
- Metal Oxide Varistor (MOV) used as safeguard against surge & spikes.
- Material in use - FR ABS plastic.

Plug Tops 6A/16A

- Rated Current 6A/16A.
- Rated Voltage 240V AC.
- 100% shock proof.
- Highly conductive nickel plated contacts.
- Material-FR polycarbonate UV stabilized.



Multi Plugs

- Equipped with universal socket 3 pin & 2 pin sockets.
- Universal multi socket for different types of plugs used around the world.
- Rated current-10A.
- Rated Voltage 240V AC.
- Nickel plated brass contacts for better conductivity.
- Available in 4 different transparent colours- Purple, Blue, Green & Orange.
- Material-FR polycarbonate UV stabilized.

Batten / Angle Holder / Ceiling Rose

- Rated current - 6A.
- Rated Voltage - 240V AC.
- Ducts provided on outer surface for heat dissipation.
- SS Spring provided for better flexibility & easy locking for bulb, CFL & LED Bulb.
- Highly conductive brass terminals.
- Material-FR polycarbonate UV stabilized.



Dingdong Bells

- Plug in type / battery operated wireless bell with volume adjustment.
- Transmitter with IP44 protection.
- Operating range up to 80-260mtr. in open area.
- Auto learning code.
- Available in different colours in specific models.
- Rated voltage 110V-220V AC (Plug in type).
- Volume 50-80dB.

Musical Bell

- Plug in type / battery operated wireless bell with volume adjustment.
- 12-14 polyphonic sounds to choose.
- Transmitter with IP44 protection.
- Operating range up to 80-260mtr. in opne area.
- Auto learning code.
- Available in different colours in specific models.
- Rated voltage 110V-220V AC (Plug in type).
- Volume 50-80dB.



SMART PVC Insulation Tapes FR

- Nominal Thickness 0.125 +0.025mm
- Adhesion to steel 1.6N/10MM width (Min.)
- Adhesion to backing 1.3N/10mm width (Min.)
- Electric strength at room temperature 40KV/mm (Min.)

Water Alarm

- Rated current - 6A.
- Rated Voltage - 240V AC, 2.4KW.
- PVC insulated wire 1mts. in length.
- Engineering plasti material for high impact & chemical resistance.
- Material in use - FR ABS plastic.





Let there be light,
CONTINUOUS & BRIGHT!



LED Lighting



LED GLO 3W - 23W

- Ultra Power Saver up to 90% energy savings
- Wide operating voltage range of 120V to 280V
- Available in BEE 2 Star
- Environment friendly
- Contains no mercury
- Higher efficacy up to 105 lm/W
- Surge protection up to 4.0KV
- Life up to 25000 hours

LED GLO Bulb Shine 30W, 40W & 50W

- Ultra Power Saver up to 90% energy savings
- Wide operating voltage range of 120V to 280V
- Environment friendly
- Contains no mercury
- Higher efficacy up to 100 lm/W
- Surge protection up to 4.0KV
- Life up to 15000 hours

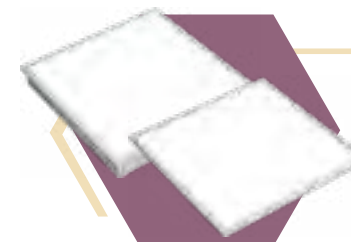


KASPER - The Inverter Lamp 9W & 12W

- High power backup
- Fast charging
- Inbuilt li-ion rechargeable battery
- Over voltage & over charging protection
- Surge protection 4kv
- High Voltage withstand 440Vac
- Automatic switching

LED Batten - 5W, 10W, 20W, 25W & 40W

- Engineered & designed Linear sleek Aesthetic PVC housing.
- High efficiency Led's for optimum light output and savings in power.
- High quality PC cover for LED linear lamp ensures soft and glare free lighting.
- Short circuit and surge protection for enhanced reliability and longer service life of driver.
- Wide beam angle of 120° with efficacy over 100 Lm/ W.



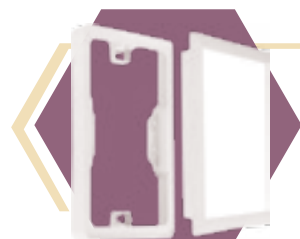
LED Panel (Surface & Recess)

- Solid sate high brightness SMD LED's for good quality illumination and longer life.
- Back lit Illumination technology.
- Excellent heat dissipation through high purity, high thermal conductivity heat sink.
- Special reflector system with high efficiency Translucence diffuser.
- Wide beam angle of 120° with efficacy over 100Lm/ W.
- Size 1'x1', 2'x2', 1'x2', 1'x4'.
- Wattage: 18W, 25W, 30W, 36W & 40W.

Spark Titanium LED Frameless

- Frameless design surface type panel lights
- Available in 6/12/15W ratings in round and square geometry
- Available in CW and WW CCT
- With PC diffuser for glare free lighting
- Wide operating voltage range
- Efficacy up to 100lm/W
- Surge protection up to 2.5KV
- Life up to 30000 hours
- IP20 protection



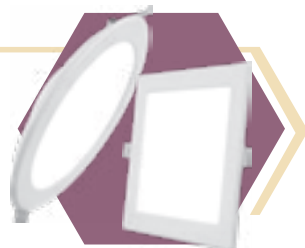


Tri CCT Panel CWO

- Down lighter for recess mounting applications
- PC diffuser for glare free lighting
- DOB solution
- Best choice for low ceiling applications
- Available in 10W & 15W ratings in round and square geometry
- Available in 3 in 1 CCT (CW/OW/WW)
- Wide operating voltage range
- Efficacy up to 100 lm/W
- Surge protection up to 4KV
- Life up to 25000 hours

Spark Bright Led Slim Panel

- Down lighter for recess mounting applications
- Edge Lit design slim panel with PC diffuser for glare free lighting
- Available in 3/6/12/15/18W ratings in round and square geometry
- Available in CW/NW/ WW CCT
- Wide operating voltage range 120 to 280V
- Surge protection up to 3.5KV



Merry Bright Panel

- Down lighter for recess mounting applications
- PC diffuser for glare free lighting
- DOB solution
- Best choice for low ceiling applications
- Available in 6W/12W/15W/20W ratings in round and square geometry
- Wide operating voltage range
- Efficacy up to 100 lm/W
- Surge protection up to 4KV
- Life up to 25000 hours

Hued Light Slim Round

- Down lighter for recess mounting applications
- Edge Lit design slim panel with PC diffuser for glare free lighting
- Available in 6W/12W/18W/24W ratings in round and square geometry
- Available in CW/NW/ WW CCT
- Wide operating voltage range 120 to 280V
- Surge protection up to 3.5KV

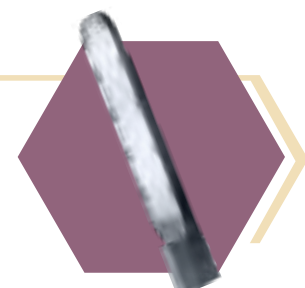


LED Street & Flood Light

- Aluminium housing with sleek & compact design
- Available in 10/20/30/50/100W with both CW & WW CCT
- Wide operating voltage range 100V to 300V
- Efficacy up to 100lm/W
- Surge protection up to 4.0KV
- High Voltage 440Vac sustainability
- IP65 protection

Route Bright PC Street Light

- PC housing with sleek & compact design
- Available in 20/30/50W with both CW & WW CCT
- Wide operating voltage range 100V to 300V
- Efficacy up to 100lm/W
- Surge protection up to 4.0KV
- High Voltage 440Vac sustainability
- IP65 protection

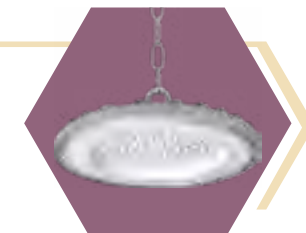


ROW Bright Flood Light

- Aluminium housing with sleek & compact design
- Available in 10/20/30/50/100/150/200W with both CW & WW CCT
- Wide operating voltage range 100V to 300V
- Efficacy up to 100lm/W
- Surge protection up to 4.0KV
- High Voltage 440Vac sustainability
- IP66 protection

Cover Bright Highbay

- Pressure die-cast aluminium alloy housing in compact design with better thermal management
- Lower energy consumption than traditional Highbay
- Available in 100/150/200W with both CW & WW CCT
- Glare free light output with High Lumen Efficacy > 100 lm/w
- Wide operating voltage range 100V to 300V
- Surge protection up to 4.0KV & High Voltage 440 VAC sustainability.
- IP66 protection & IK 07 protection



LED Gloed COB AL RD DL

- Aluminium housing aesthetically designed for better thermal management.
- Available in 7W,12W & 18W
- Attractive look with smart decorative reflector.
- Downlighter for recessed mounting application.
- Wide operating voltage range 120 to 300V
- High Lumen Efficacy
- Available in CW, NW & WW colours.

LED Alfa Plus COB AL RD

- Aluminium housing aesthetically designed for better thermal management.
- Available in 7W,12W & 18W
- Downlighter for recessed mounting application.
- Wide operating voltage range 120 to 300V
- High Lumen Efficacy
- Available in CW, NW & WW colours.

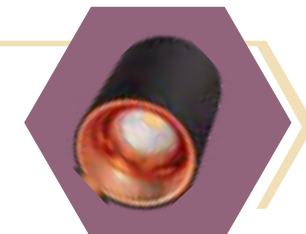


LED Deep Volta+ Down Light

- Downlighter for recess mounting application.
- Available in 12W & 18W
- Deep PC body with anti-glare design provide eye soothing light output
- Glare free light output with High Lumen Efficacy>100 lm/w
- Wide operating voltage range 120V to 300V
- Available in CW, WW & NW colours.

LED Apex COB Surface Cylinder

- Aluminium housing for better thermal management.
- Available in 7W,12W & 18W
- Attractive look with smart decorative reflector.
- For Surface mounting application.
- Wide operating voltage range 120 to 300V
- Available in CW, NW & WW colours.



LED Lighting



LED Track Light

- Aluminium housing with sleek & adjustable compact design
- Available in 10W/20W/30W
- Available in CW, NW & WW CCT
- Wide operating voltage range 100V to 300V
- Efficacy up to 90lm/W
- Surge protection up to 4.0KV
- Easy to install & easy to fix in tracks

LED Crest-F COB AI Spot Light

- Aluminium housing with sleek & adjustable compact design
- Available in 10W/20W/30W
- For Surface mounting application
- Wide operating voltage range 100V to 300V
- Efficacy up to 90lm/W
- Surge protection up to 4.0KV
- Available in CW, NW & WW colours.

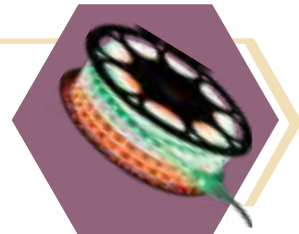


Rope Light 50 Meter

- Wide operating voltage
- Available in long length 50 meters
- Operation with external electronic driver.
- Available in multi Colours (Red/Green/Blue/Pink/CW/WW/NW)
- Application for Dining Room, Hotels & Party Hall
- Long Life & High Lumens LED
- IP 65 Protection

LED Tiranga Rope Light

- Wide operating voltage
- Available in long length 18 meters
- Operation with external electronic driver.
- Available in 3 Colours (National Flag Color)
- Long Life
- High Lumens LED
- Application for Hotels & Streets polls
- IP 65 Protection

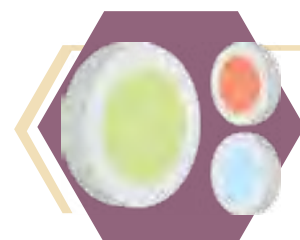


STRIP Light

- Available in 60W (Rated wattage 12W/meter)
- Operation with external electronic driver.
- Available in multi Colours (Red/Green/Blue/Pink/CW/WW/NW)
- Application for Dining Room, Hotels, Party Hall as Cove Light & Profile light
- Long Life & High Lumens LED

LED Ranbow 3 IN 1 Panel

- Dual step decorative lighting solution
- Step Change after ON/OFF with in 5 second
- Aluminium Die cast housing
- Mercury free technology
- Uniform distribution
- High Efficiency LED Driver
- PC diffuser for glare free lighting



LED Striker Downlighter 3W

- Slim design Surface type light
- With Poly Carbonate diffuser for glare free lighting.
- Available in multi Colours Red/Green/Blue/Pink/CW/OW/WW
- 85% energy savings
- Life up to 20000 hours
- DOB solution
- Wide operating voltage range
- Surge protection up to 2.5KV

LED Lighting



LED Platinum DL 4W, 8W & 12W

- Available in 4/8/12W ratings in round geometry
- Available in CW, WW, NW, Red, Green & Blue CCT options
- With built in electronic driver
- Sleek design with PC lens
- Tiltable design up to 45° to both sides
- Wide operating voltage range
- High Efficacy up to 85 lm/W
- Surge protection up to 2.5KV

LED Spark Gold Panel 7W & 12W

- Engineered & designed Linear sleek Asthetic PC housing.
- Glare free PC diffuser.
- High efficiency Led's for optimum light output and savings in power.
- Lumen efficacy 100 lm / W
- Recess Mounted, Compact Vertical.
- Suitable for low ceiling heights.
- Available in CW, WW, NW, Red, Green & Blue CCT options

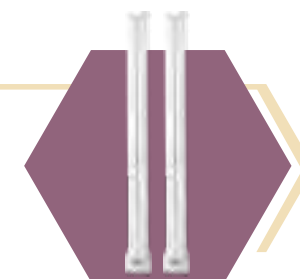


LED Concealed DL 3W, 5W, 7W & 9W

- Engineered & designed Linear sleek Asthetic PC housing.
- High efficiency Led's for optimum light output and savings in power.
- Recess Mounted, Compact Vertical.
- Suitable for low ceiling heights.
- Lumen efficacy 100 lm / W
- Available in CW, WW, NW, Red, Green & Blue CCT options

LED PLL Lamp 9W & 18W

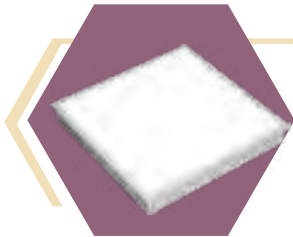
- Available in 9W & 18W.
- High efficiency LED's for optimum light output and savings in power.
- High quality PC Diffuser for LED linear lamp ensures soft and glare free lighting
- Specially designed PC body for excellent Heat dissipation.
- Short circuit and surge protection for enhanced reliability and longer service life of driver
- Wide beam angle of 120° with efficacy over 100 Lm/W.





Industrial Luminaries

CRCA Recess/Surface LED Panel Lighting



- Solid state high brightness SMD LED's for good quality illumination and longer life.
- Back lit Illumination technology.
- Excellent heat dissipation through high purity, high thermal conductivity heat sink.
- Special reflector system with high efficiency Translucence diffuser.
- On board short circuit and surge protections for reliable electrical system.
- Wide beam angle of 120° with efficacy over 100Lm/ W.
- Size 1'x1', 2'x2', 1'x2', 1'x4' & Wattage: 18W, 30W, 36W & 40W.

Jonex Plus (Surface Type)

- Range: 6W/12W/15W & 18W.
- Flat profile with wide-angle diffuser.
- Housing made up of high heating conductive pure aluminum material.
- Available in all color temperatures 6500 K/4000 K/2700 K.
- Highly efficient constant current drivers with additional protections.
- Instant light with low running temperatures.
- Surface mounting application.



Brito (Recessed Type)



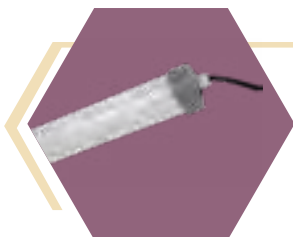
- Range: 6W/12W/15W & 18W.
- Solid state high brightness SMD LED's for good quality illumination and longer life.
- Back lit Illumination technology.
- Excellent heat dissipation through high purity, high thermal conductivity heat sink.
- Special reflector system with high efficiency Translucence diffuser.
- On board short circuit and surge protections for reliable electrical system.
- Wide beam angle of 120° with efficacy over 80Lm/ W.

Canopy Light (40W to 100W)

- Replacement of conventional luminaries with low wattage canopy luminaries helps.
- Designed with secondary lenses for uniform distribution.
- Ensures IP65 Protection.
- Specially designed aluminum housing for excellent heat dissipation.
- Aesthetically designed gas kit for better heat dissipation and protection support.



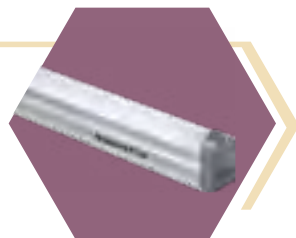
LED Weather Proof (20W-40W)



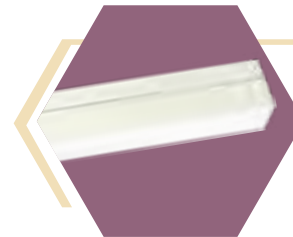
- SMD based weather proof.
- Made up of corrosion resistant unbreakable poly carbonate body.
- Weather Proof IP-65.
- High quality PC cover for LED linear lamp ensures soft and glare free lighting.
- Suitable for Industrial Purpose.
- Surface & Suspended mounting.

Neptune Plus

- Available in 10W / 20W / 40W.
- Replacement of T-8/T-5 fittings.
- High efficiency LED's for optimum light output and savings in power.
- High quality PC Diffuser for LED linear lamp ensures soft and glare free lighting.
- Specially designed aluminum housing for excellent Heat dissipation.
- Short circuit and surge protection for enhanced reliability and longer service life of driver.
- Wide beam angle of 120° with efficacy over 100 Lm/W.



Linear Suspended / Recessed



- Grade Ceiling suspended mount linear LED Luminaire.
- Housing made of high pressure extruded aluminum construction, Die-cast aluminum end caps with no visible screws.
- Best solutions for work station & office lighting.
- UV and Corrosion resistance with durable anti-fading and available with different color body finish.
- Lighting distribution with Germany imported high transmittance PMMA diffuser.

LED Highbay

- Range: 50W / 70W / 80W / 90W / 100W / 120W / 135W / 150W / 180W & 200W.
- Highly efficient heat sink designed to ensure prolong the life span of the LED.
- Significantly lower running cost as compared to conventional fixtures.
- IP-65.
- Operating Voltage range: 120~270Vac.
- Hanging with suitable Eye Bolt.
- Protections: Input OVP/Input UVP/SC/OC and Surge up to 4KV on Driver & 10Kv ext. SPD.



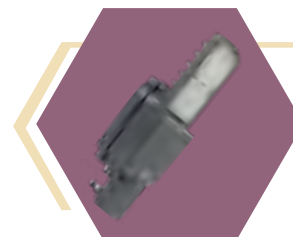
Well Glass IP-65



- Range: 25W / 30W / 35W / 40W / 50W / 60W / 70W & 80W.
- Integral radial fins on housing for effective heat dissipation.
- High power, high efficiency LED chip.
- White powder coated internal reflector.
- Thermally isolated driver and optical compartment.
- Specially designed for IP65 protection.
- Loop in Loop out facility.
- Operating Voltage range: 120~270Vac.
- Lens Type- Molded PC lens
- Hanging with suitable Eye Bolt.
- Protections: Input OVP/Input UVP/SC/OC & Surge up to 4KV on Driver

Outdoor Lighting

LED Street Light - AES

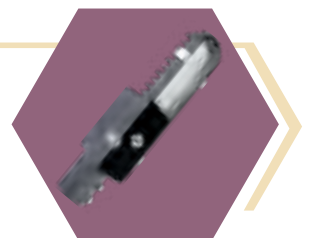


- Available Wattage- 20W/25W/30W/40W/45W
- Operating Voltage range: 120~270Vac.
- High lumen Efficacy upto 110lm/w.
- Output constant current, CRI>70, PF>0.95, THD < 10%.
- Surge protection: Surge up to 6KV on Driver.
- Protections: Input OVP/Input UVP/SC/OC.
- IP66 design for outdoor applications.
- Suitable for dry / damp / wet locations.

LED Street Light- Glass

- Available wattages - 15W to 250W
- High Power LEDs.
- Operating Voltage range: 120~270Vac.
- High lumen Efficacy upto 125lm/w.
- Output constant current, CRI > 70, PF > 0.95, THD < 10%.

- Surge protection: Surge up to 6KV on Driver & Ext. SPD 10Kv.
- Protections: Input OVP/Input UVP/SC/OC/OTP.
- High Voltage Protection: 440Vac for 4Hrs.
- IP66 design for outdoor applications.
- Suitable for dry / damp / wet locations.



LED Street Light - A Model



- Available Wattage- 30W to 350W
- High Power LEDs.
- Operating Voltage range: 120~270Vac.
- High lumen Efficacy upto 140lm/w.
- Output constant current, CRI > 70, PF > 0.95, THD < 10%.
- Surge protection: Surge up to 6KV on Driver & Ext. SPD 10Kv.
- Protections: Input OVP/Input UVP/SC/OC/OTP.
- High Voltage Protection: 440Vac for 4Hrs.
- IP66 design for outdoor applications.
- Suitable for dry / damp / wet locations.

LED Lighting



Decorative Street Light

- Available Wattage- 40W / 45W / 50W / 60W / 70W / 80W / 90W / 100W / 120W
- Operating Voltage range: 120~270Vac.
- High lumen Efficacy upto 110lm/w.
- Output constant current, CRI > 70, PF > 0.95, THD < 10%.
- Surge protection: Surge up to 4KV on Driver & Ext. SPD 10Kv.
- Protections: Input OVP/Input UVP/SC/OC/OTP.
- High Voltage Protection: 440Vac for 4Hrs.
- IP65 design for outdoor applications.

LED Post Top

- Available in 40 to 80W.
- Pressure Dia cast Al LM-6.
- Heat resistance toughened glass.
- Confirm IP-65.
- Applications: Parks, Airport, VIP Roads etc.



LED Back Open Flood Light

- Available Wattage-100W to 500W
- Operating Voltage range: 120~270Vac.
- High lumen Efficacy upto 110lm/w.
- Output constant current, CRI > 70, PF > 0.95, THD < 10%.
- Mounting with Adjustable Bracket.
- Surge protection: Surge up to 4KV on Driver & Ext. SPD 10Kv.
- Protections: Input OVP/Input UVP/SC/OC/OTP.
- High Voltage Protection: 440Vac for 4Hrs.
- IP66 design for outdoor applications.

LED Flood Light

- Available Wattage - 30W to 350W
- Operating Voltage range: 120~270Vac.
- High lumen Efficacy upto 110lm/w.
- Output constant current, CRI > 70, PF > 0.95, THD < 10%.
- Surge protection: Surge up to 4KV on Driver & Ext. SPD 10Kv.
- Protections: Input OVP/Input UVP/SC/OC/OTP.
- High Voltage Protection: 440Vac for 4Hrs.
- IP66 design for outdoor applications.
- Mounting with Adjustable Bracket.



LED Post Top Lanterns

- Available wattages - 9W to 40W.
- LED Options - LED lamp / Discrete Versions.
- Lamp life – 50,000 burning hours with L 70 criteria.
- CRI > 75.
- Confirms LM 79.
- Application : Gardens, Pathways, Societies etc.

LED Bollard

- Available Wattage- 5W / 7W / 9W / 12W / 15W
- Operating Voltage range: 120~270Vac.
- High lumen Efficacy upto 100lm/w.
- Output constant current, CRI > 70, PF > 0.95, THD < 10%.
- Surge protection: Surge up to 2.5KV on Driver.
- Protections: Input OVP/Input UVP/SC/OC.
- IP65 design for outdoor applications.
- Application : Gardens, Societies, Petrol Stations, Malls, Driveways etc.



LED Lighting

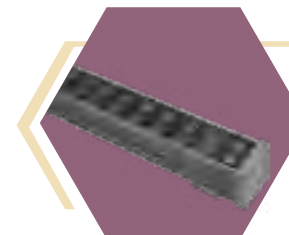


LED Ground Burials & Spike Lights

- Available wattages - 3W to 15W.
- LED efficacy - upto 130W.
- Lamp life - 50,000 burning hours with L70 criteria.
- CRI > 75.
- Confirms - IP65 (IP66 available on request).
- Application : Driveways, Facade Lighting, Ambient Lighting etc.

RGB LED Flood Light (40W to 200W)

- RGB Flood light luminaries. Best in class LED with high levels of efficiency and colour rendering. This Luminary is Capable of Changing Color by DMX Controller in the Entire RGB Spectrum.
- Enclosure made of pressure die cast aluminium with powder coating finish.
- Optimized heat sink design gives better thermal management to ensure long lifetime.
- Toughened Clear glass for lesser transmission loss.
- Efficient electronics mounted in isolated driver tray with connectors.
- Supplied with cradle for aiming and mounting the fixture..



RGB LED Linear Light 2ft-40W, 4ft-40W & 80W

- RGB Wall Washer light luminaries. Best in class LED with high levels of efficiency and colour rendering. This Luminary is Capable of Changing Color by DMX Controller in the Entire RGB Spectrum.
- Enclosure made of Extruded aluminium with powder coating finish.
- Optimized heat sink design gives better thermal management to ensure long lifetime.
- Toughened Clear glass for lesser transmission loss.
- Efficient electronics mounted in isolated driver tray with connectors.
- Supplied with cradle for aiming and mounting the fixture..

Individual Street light controlling with* / without** dimming

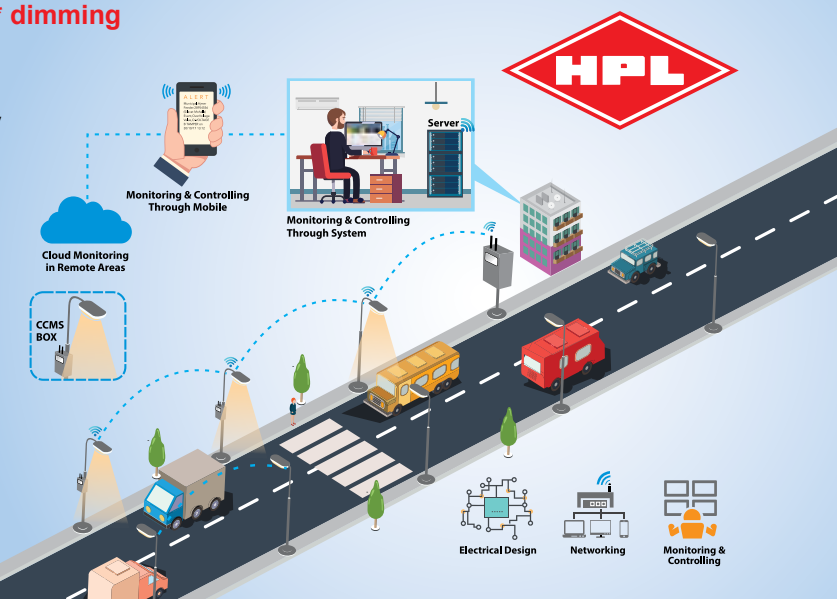
- Individual Street light controlling System is heart of street lighting system.
- It utilizes 6 LoWPAN communication standard over sub 1 GHz wireless communication helping to monitor and control every individual luminary.
- It utilizes or supports multiple Broadband communication network connectivity over GSM / GPRS, Ethernet and Wi-Fi for server end connectivity

CCMS Entities

- Gateway
- Cluster Meter
- Surge Protection Device
- Input and Output Switchgear
- Change – Over
- Dual Chamber SMC enclosure



- Metallic / SMC Enclosure
- In built external > 20KA SPD
- Door Open Detection
- Dimmable Driver*





Air that Amazes

Ceiling fans are one of the few appliances that have withstood the test of time. They have existed since decades and are unlikely to be obsolete soon.

In a tropical country like India, you would find ceiling fans almost everywhere—be it houses, offices, or shops. Despite the invention of air conditioners, they do still serve the purpose well. In fact, fans work in tandem with ACs for an enhanced cooling effect.



Fan



Super Premium Fans



CYBORG

- Sweep 1200 mm
- A Stylish, silent and powerful smart design
- Rust-free aerodynamic ABS blades
- High Air delivery of 225 m³ /min
- Wider blades with high twist angel leading
- Strong 18 pole extra Copper motor
- Modern Minimalist Designs with remote*

THOR

- Sweep 1320 mm
- Aerodynamically designed ABS blades
- 3 color LED Lights
- Noiseless operation
- Speed regulations by remote
- High Air Delivery
- Strong motor with double ball bearing



HYMN COOL

- Sweep 1320 mm
- Aerodynamically designed ABS blades
- 3 color LED Lights
- Noiseless operation
- Speed regulations by remote
- High Air Delivery
- Strong motor with double ball bearing

DYNASTY

- Sweep 1200 mm
- Aerodynamically designed blades
- Noiseless operation
- Speed regulations by remote
- High Air Delivery
- Strong motor with double ball bearing



CENTAUR

- Sweep 1200 mm
- Aerodynamically designed blades
- Low noise, Speed regulations by remote
- High Air Delivery
- Strong motor with double ball bearing

ONYX

- Sweep 1200 mm
- Aerodynamically designed blades
- Electroplating Finish
- Low noise, Speed regulations by remote
- High Air Delivery
- Strong motor with double ball bearing





Energy Saving Fans



ZEON Energy Saving Fans

- Sweep 1200 mm
- BEE Star rated Energy saving fan with low power consumption
- Saves 40% electricity
- Pre-greased double ball bearings
- Noise less operations
- Low power consumption

ZIVO-32

- Sweep 1200 mm
- Powerful BLDC Motor
- 5 Star BEE rated Energy saving fan with low power consumption of 32 Watts
- Saves 60% electricity
- 100% Copper Winding*
- Noise less operations
- Super Energy Efficient fan
- Consumes only 5 Watts at lowest fan speed
- Power consumption 32W



Premium Fans



GUSTO ES

- Sweep 1200 mm
- BEE Star rated Energy saving fan with low power consumption
- Superior metallic paint finish
- Premium attractive colours
- Wider Tip aluminium blades for more airflow
- Exotic rich looks with modern styling
- 100% Copper Winding*
- High quality pre-greased double ball bearings for frictionless & noiseless working

GUSTO ART ES

- Sweep 1200 mm
- BEE Star rated Energy saving fan with low power consumption
- Dust resistant
- Superior metallic paint finish
- Premium attractive colours
- Wider Tip aluminium blades for more airflow
- Exotic rich looks with modern styling
- 100% Copper Winding*
- High quality pre-greased double ball bearings for frictionless & noiseless working



RUSO

- Sweep 1200 mm
- Dust resistant
- BEE Star rated Energy saving fan with low power consumption
- Superior metallic paint finish
- Premium attractive colours
- Wider Tip aluminium blades for more airflow
- Exotic rich looks with modern styling
- 100% Copper Winding*
- High quality pre-greased double ball bearings for frictionless & noiseless working
- High Air Delivery
- Strong motor with double ball bearing



Decorative Fans



AARON DECO ES

- Sweep 1200 mm
- BEE Star rated Energy saving fan with low power consumption
- High-speed fan for greater air thrust
- 100% Copper Winding*
- Aerodynamically balanced blades
- Powder coated paint finish for rust prevention
- Pre-greased double ball bearings
- Powerful high electromagnetic torque motor with silent operations

VIKTOR 400 ES DECO

- Sweep 1200 mm
- BEE Star rated Energy saving fan with low power consumption
- High-speed fan for greater air thrust
- 100% Copper Winding*
- Aerodynamically balanced blades
- Powder coated paint finish for rust prevention
- Pre-greased double ball bearings for friction & noiseless operations
- Powerful high electromagnetic torque motor



PACIO DECO ES

- Sweep 1200 mm
- BEE Star rated Energy saving fan with low power consumption
- High-speed fan for greater air thrust
- 100% Copper Winding*
- Aerodynamically balanced blades
- Powder coated paint finish for rust prevention
- Pre-greased double ball bearings for friction & noiseless operations
- Powerful high electromagnetic torque motor

Regular Fans



AARON ES

- Sweep 600 / 900 / 1200 & 1400 mm
- BEE Star rated Energy saving fan with low power consumption
- High-speed fan for greater air thrust
- 100% Copper Winding*
- Aerodynamically balanced blades
- Powder coated paint finish for rust prevention
- Pre-greased double ball bearings
- Powerful high electromagnetic torque motor with silent operations

VIKTOR 400 ES

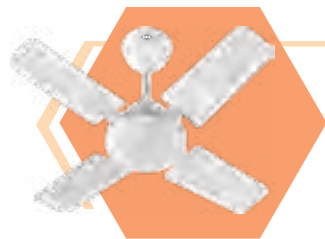
- Sweep 1200
- BEE Star rated Energy saving fan with low power consumption
- High-speed fan for greater air thrust
- 100% Copper Winding*
- Aerodynamically balanced blades
- Powder coated paint finish for rust prevention
- Pre-greased double ball bearings for friction & noiseless operations
- Powerful high electromagnetic torque motor



PACIO ES

- Sweep 1200 mm & 1400 mm
- BEE Star rated Energy saving fan with low power consumption
- High-speed fan for greater air thrust
- 100% Copper Winding*
- Aerodynamically balanced blades
- Powder coated paint finish for rust prevention
- Pre-greased double ball bearings for friction & noiseless operations
- Powerful high electromagnetic torque motor

Fan



PACIO (mini HS) ES

- Sweep 600 mm
- BEE Star rated Energy saving fan with low power consumption
- High-speed fan for greater air thrust
- 100% Copper Winding*
- Aerodynamically balanced blades
- Powder coated paint finish for rust prevention
- Pre-greased double ball bearings for friction & noiseless operations
- Powerful high electromagnetic torque motor

AARON. ES

- Sweep 600 mm
- BEE Star rated Energy saving fan with low power consumption
- High-speed fan for greater air thrust
- 100% Copper Winding*
- Aerodynamically balanced blades
- Powder coated paint finish for rust prevention
- Pre-greased double ball bearings for friction & noiseless operations
- Powerful high electromagnetic torque motor



Table, Wall & Pedestal Fans

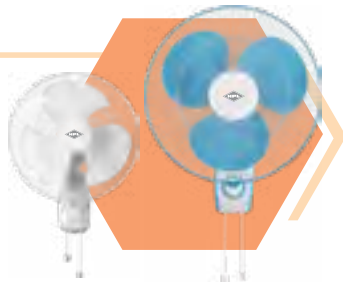


TABLE Fan

- Sweep 400 mm
- Aerodynamically designed & balanced PP Blades
- Unique contoured design for modern looks
- Wide speed control panel
- Corrosion resistant powder coated guard
- Smooth and jerk free oscillation
- A highly electromagnetic torque motor for greater air throw

WALL Fan

- Sweep 400 mm
- A highly electromagnetic torque motor for greater air throw
- ABS Plastic Body and PP Blades
- Unique contoured design for modern looks
- Push pull switch for oscillation and speed control
- Synchronous motor for smooth oscillation
- Easy tilting mechanism
- Corrosion resistant powder coated guard
- 100% Copper Winding*



PEDESTAL Fan

- Sweep 400 mm
- Plastic Body and aerodynamic PP Blades
- Unique contoured design for modern looks
- 3 Speed control
- Corrosion resistant powder coated guard
- 100 % Copper Winding*
- Telescopic height adjustment
- A highly electromagnetic torque motor for greater air throw
- Stable base

Fan



Ventilation Fans



VITO

- Sweep 150 mm, 200 mm & 250 mm
- Silent operations
- 100% Copper Winding*
- 100% Rust proof ABS body & blades
- Self opening louvers for dust protection

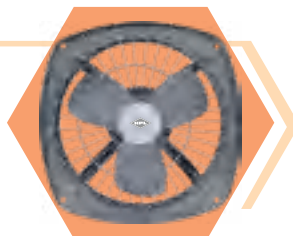
KAMET

- Sweep 100 mm, 150 mm & 200 mm
- Compact design
- Classic looks, Silent exhaust fan with high speed motor
- 100% Copper Winding*
- 100% Rust proof ABS body & blades
- Best use in AC cabins
- Suitable for wall and glass mounting



SINAI

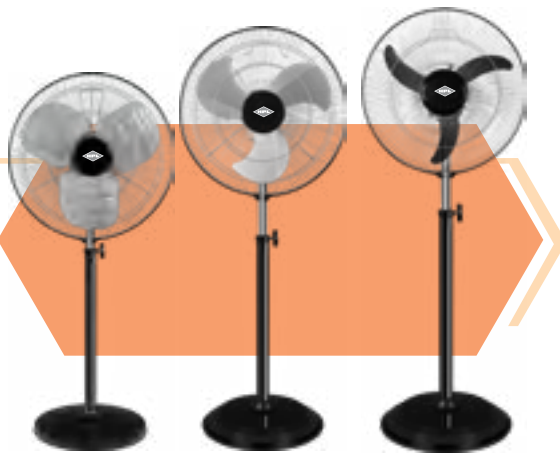
- Sweep 150mm, 225mm & 300mm
- 100% Copper Winding*
- Metallic finish & High air trust
- Powerful motor with high-grade copper
- Guard for protection from birds and foreign objects



Farrata Fans

DORADDO

- Sweep 400 mm, 450 mm & 500 mm
- 100% Copper Winding*
- Heavy Duty Motor
- Child Safety Guard
- Heavy duty base
- Full height adjustment
- Elegant looks
- Easy to assembled



*Optional winding

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