



**ABOUT US:-** Minchu ,we believe in possibilities unlimited, we are an innovative company aimed at manufacturing next generation safety products in electrical, electronics and industrial engineering to provide electrical safety ,safe, innovative and better new era products which makes life safe, simpler, better. We are into R&D and to be pioneers and leaders in electrical/electronics technology.

## ವಿದ್ಯುತ್ ಅಸಾಧ್ಯ ತಡೆಯುವ ಹೆಲ್ಮೆಟ್

2015ನೇ ಬಾಳಕೊನ ವಿದ್ಯಾರ್ಥಿ ಪ್ರಭಾವ ಅನ್ವೇಣಿಸಿದ್ದ 'ಸಾಷ್ಟೋ ಹೆಲ್ಮೆಟ್' ಬೆಸ್ಟ್ ನಲ್ಲಿ ಬಂತೆಯಾಗುತ್ತಿದೆ. 'ಕಂಬದಲ್ಲಿ ವಿದ್ಯುತ್ ಪ್ರವಹಿಸುತ್ತಿದೆ ಎಂದರೆ ಈ ಹೆಲ್ಮೆಟ್ ಸದ್ಯ ಮಾಡಲು ಪ್ರಾರಂಭಿಸುತ್ತದೆ. ಪ್ರಾಯೋಗಿಕವಾಗಿ 15 ಹೆಲ್ಮೆಟ್‌ಗಳನ್ನು ನೀರಜಲಾಗಿದ್ದು, ಉತ್ತಮ ಪ್ರತಿಕ್ರಿಯೆ ವ್ಯಕ್ತವಾಗಿದೆ' ಎಂದು ಪ್ರಭಾವ ತಿರಿಸಿದರು.

- POSSIBILITIES UNLIMITED –ENERGY SOLUTIONS
- SOME GREAT INFLUENCERS -NIKOLAS TESLA- IF YOU WANT TO FIND THE SECRETS OF UNIVERSE THINK IN TERMS FREQUENCY ,ENERGY AND VIBRATION
- THOMAS ALVA EDISON -THE VALUE OF AN IDEA ,LIES IN USING OF IT
- SIR MV- TO GIVE REAL SERVICES YOU MUST ADD SOMETHING UNIQUE WHICH CANNOT BE BOUGHT OR MEASURED BY MONEY



In the year 2015-2016, all over india and all escoms, there were as many as 120 traumatizing electrical accidents in which 65 have led to fatal death. Most of these accidents occurred due to confusion of lineman as to whether power or supply was flowing in the conductor system or not ,due to over confidence, negligence and misunderstanding between lineman and supervisory staff.

Our product the helmet mounted high voltage induction sensor can detect current flow in conductor or in any a.c. Network and signals the user through a buzzer sound. so, as to take precautionary measures to switch off the network and then begin work. The safety helmet also provides mechanical safety to the user head safeguarding any impact to head. The safety helmet used by us is also electrically insulated. This product helps in avoiding accidents and saves lives in electrical field.

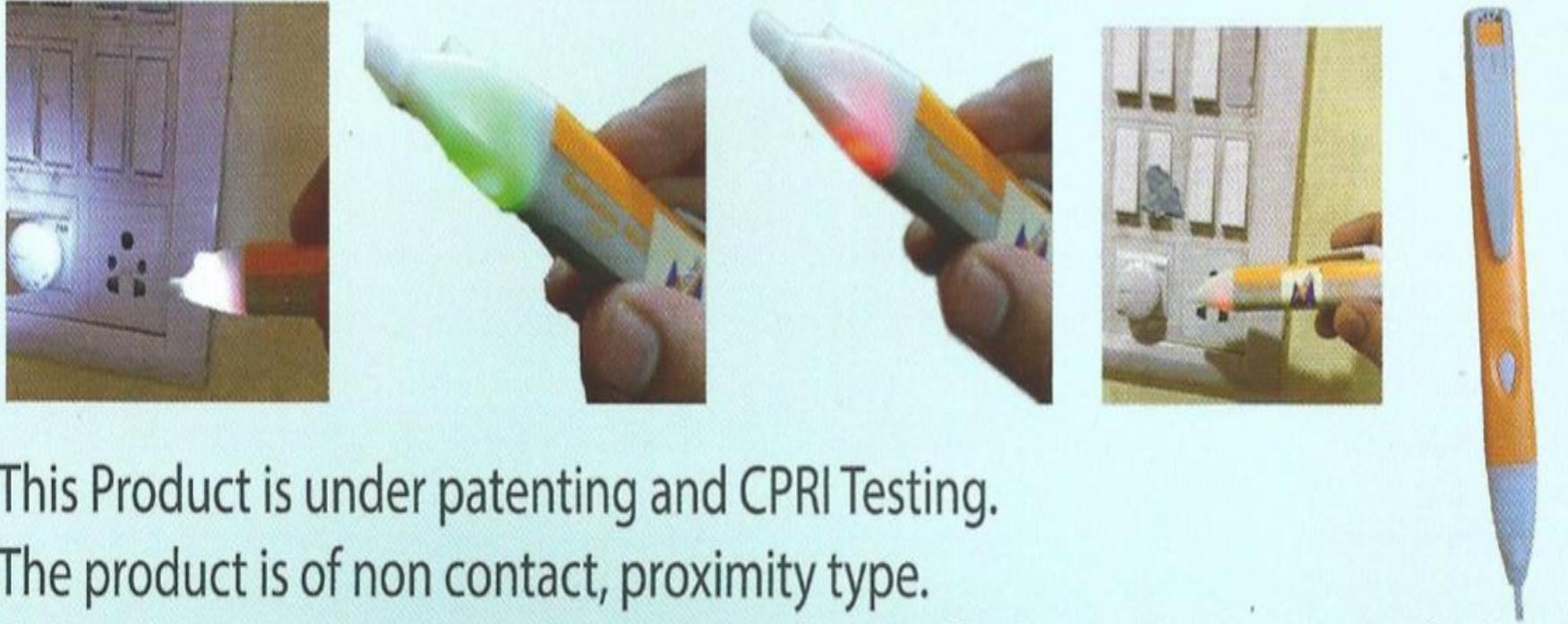


**PRODUCT PROFILE:-** Helmet mounted –high voltage induction sensor a boon to the protection of electrical staff in transmission , distribution companies and industries our product is an innovative product in the electrical safety sector, saving lives and avoiding electrical related accidents.



- \*The product can sense electromagnetic field and detect current, it notifies by buzzer sound on detection.
- \*It can sense live voltages from 220v-11kv,range without contact and from a safe distance of 1 feet for 220v and 5-6 feet for 11kv.
- \*The product can be easily mounted on any safety helmet.
- \*The product is available in two variants :
  - 1)mounted in HDPE helmet 2)mounted in FRP helmet
- \*The product can be mounted inside or outside along border as per requirements
- \*The product uses LR44 button cell battery which can be replaced
- \*The product has been successfully tested and certified at CPRI. Our products are used in bangalore electricity supply company limited.
- \*The product has reflective tape applied outside providing easy visibility during night or low light conditions.

## Pentype NON CONTACT Voltage Alert Tester - our Up coming latest product



This Product is under patenting and CPRI Testing.

The product is of non contact, proximity type.

This unique product has a sensing capability of range 220v-11,000v, which is L.V.&H.V. and is first of its kind in the world.

This Product can sense 220v at an approx distance of 1-1.5 ft and 11kv at 5-6 ft.

This Product has an inbuilt LED torch which can be used in low light conditions .

This Product has easy battery replacement facility and requires AAA battery which can also be rechargeable.

This Product has auto OFF feature after 5minutes of ON stage, so battery life is saved.

This Product has the facility of product working test .

This Product cabinet and outer body is IP67 certified.

# Pen type non contact voltage tester

- With intelligent auto off timer and AUDIO-VISUAL alert for voltage sensing -CPRI tested



# SURYAJALA - SMART SOLAR WATER HEATERS- RMS



Patent pending ,  
affordable, New  
launch



**Connect to us: "GO GREEN"**  
**save energy smartly**



வினாக்கல்  
**Minchu**

No. 359/ 7/ 1, Omkar, 2nd Floor, 8th Main, 14th Cross, BTM Layout - 2nd Stage, Bengaluru - 560076  
Email : ceo@minchusolutions.com, coo@minchusolutions.com | Website : www.minchusolutions.com  
Mob : 8105733339 | GST : 29ABA FM1318C1ZR



- **24x7 hot water**
- **Evacuated tube collector and Flat plate collector solar collectors**
- **Solar water heater integrated with heat pump**
- **Remote Monitor APP support (Android & iOS)**
- **Water level(litres) remote monitoring & water temperature monitoring .**
- **Not working/ maintenance Notification**
- **Automatic heat pump on feature with automatic timer for ON/OFF**
- **Water heater for dry and soft water for over 1000ppm hardness.**
- **Double coated GI tank with antirust**



வினாக்கல்  
**Minchu**



ஸுர்ஜல

## GENERAL INFORMATION ABOUT SOLAR WATER HEATERS

The Solar Water Heaters are equipments which can convert direct Sunlight into thermal Energy which is used to produce hot water for free through Solar Evacuated Tubes & Solar Flat Plate Collectors which helps customers in reducing their electricity bills , which is a monthly savings on one time Investment and it is also Environmental friendly helps in conserving the environment and is one of the best known alternate source of energy in today's world & near future. There are 2 types of Solar water heaters which are widely popular technology like the Flat Plate Collector and Evacuated Tube Collector,

## FLAT PLATE COLLECTOR

The Flat Plate Collector the water runs through the copper tubes & Fins and the special coating on the fins helps in absorbing the direct sun rays falling on these Collector converts it into heat energy which will heat the water inside the Copper tubes & Copper fins Continuously throughout the day .

## SPECIFICATION OF FLAT PLATE COLLECTOR SYSTEMS

SL.No	Product Description	Specification
1	Number of fins per panel	9
2	Capacity of the Tank	100/125/150/200/250/300/500/1000/Customized
3	Standard collector size	2 sqm
4	Tank Material - Outer	Pre Coated sheet Alloy Sheet
5	Tank Material - Inner	Galvanized Sheet with HD Special protection Coating. Sheet thickness 1.2mm & 1.6mm for Non Pressurized Normal Tank System as per customer requirement & 3mm sheet with forged end dish for Pressurized Systems.
6	Insulation Medium	Polyurethane Foam [PUF] / Mineral Wool
7	Stand Material M	M S Stand Power Coated
8	Output Water Temperature	60-75 degree Celsius



FLAT PLATE  
SOLAR WATER HEATER

Manufacturers:



Product Warranty 5 to 10 year depending on variant



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Contact : 81057 33339 Email: minchu1.org@gmail.com web:www.minchusolutions.com



# ELECTRICAL FAULTS & ACCIDENTS AND CAUSES

Improper use of electricity can cause:



Electric Shock



Fire



Explosion

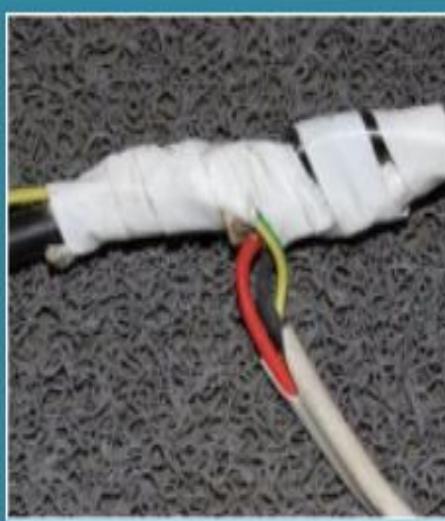
Injury



Death



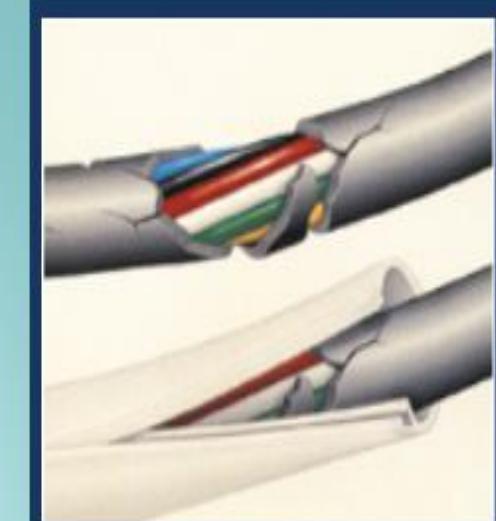
Improper Grounding



Exposed Electrical Parts



Inadequate Wiring



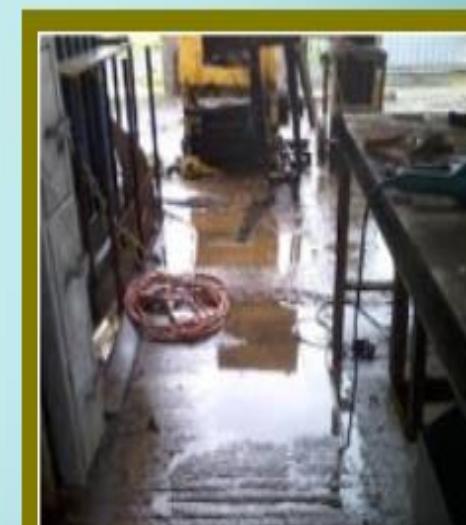
Damaged Insulation



Overloaded Circuits



Damaged Tools & Equipment



Wet Conditions

- 1) An electrician is no less a soldier on field
- 2) 3rd most construction related accidents are electrical accidents
- 3) there are many cases of in-house common public electric accidents due to un awareness and lack on knowledge about electrical protection and safety
- 4) with some apt knowledge ,proper timing of first aid and use of apt PPE, safety Tools and equipment ,we can save lives and avoid electrical accidents

- 1) Use High energy efficient electrical equipment , tools and appliances
- 2) Use high power factor equipment-of 0.9 or unity P.F.
- 3) Use higher efficient wires and cables with better insulation and of right gauge and thickness as per current rating .
- Use insulated electrical connecting materials.
- 4) Use higher star rating energy saving appliances –use LED , BLDC motors .....
- 5) Always maintain proper electric circuits and maintain uniform wiring and distribution box with proper earthing protection .
- 6) Go green save energy , reuse and go renewable , go solar
- 7) Reduce use of over heat dissipating appliances and use appliances and equipment with high level of heat sink capability

## ENERGY SAVING



# Lineman/Electrician safety gear equipment

WORK SAFETY MUST ALWAYS BE FIRST PRIORITY

**THINK SAFE.  
WORK SAFE.**

Connect to MINCHU FOR ISI ,CPRI CERTIFIED ,OSHO  
STANDARD SAFETY EQUIPMENT AND TOOLS

HEARING PROTECTION & FACE MASK

ELECTRICIAN TOOLS AND SAFETY EQUIPMENT GEAR PICTORIAL DEPICTION

HAND GLOVES

ALUMINIUM BODY

LONG RANGE LED

Emerging Leaders In Electrical Safety And Electrical Solution

POSSIBILITIES UNLIMITED

Mindhu Solutions for Electrical Safety

- 1) Safety Helmet
- 2) Shock proof gloves
- 3) RECHARGEABLE LED torch
- 4) Reflective rain wear
- 5) Hard gum boots
- 6) Safety eye wear
- 7) Telescopic earth discharge rod
- 8) Voltage tester
- 9) Safety belt
- 10) GOS rod
- 11) PP rope
- 12) Cutting pliers
- 13) Screw driver set

- Personal Protective Equipment (PPE) provides protection to workers from hazards.
- Depending on the job task to be performed, PPE for electrical workers generally include:
  - Safety helmet
  - Safety shoes
  - Goggles
  - Face shield
  - Rubber gloves
- Additional PPE, such as fall protection equipment, respirators, may be needed, depending on the potential hazard in the job.



Safety helmet

Safety shoes



Goggles

Face shield



Rubber gloves

# CPRI/ERDA CERTIFIED SAFETY EQUIPMENTS AS PER OSHA STANDARDS- ALLEN COOPER, RISING TORCH AND ALKO SAFE BRAND

**RISING®**

**HUNTER** 

**Rechargeable LED Headlamp**

- 2000mAh Li-ion rechargeable battery of 500 cycles & more
- 5W High Power SMD LED
- Lightweight, Compact and Stylish
- Adjustable & Comfortable Elastic Headband
- Lighting time
 

Strong Light	: 5 Hrs
Power Saving	: 8 Hrs
Flashing Mode	: 8 Hrs
- Overcharging & Overdischarging protection for safety of battery

 Mining Sites     Camping

 Running     Vehicle Maintenance

**OUR OTHER PRODUCTS**

 LED EASY RECHARGEABLE 

 Adjustable Lighting Angle     Large Size Reflector

 USB Charging     3 Lighting Modes

HAND GLOVES			
K-0226	K-0227	K-0228	K-0229
Unsupoted Nova	Capitol II	Barrier 100	Silver 50
K-0231	K-0232	K-0233	K-0234
Workman	Interface Plus	Interface Tough	Frontier
K-0236	K-0237	K-0238	K-0239
Conqueror II	Stickgrip	Hammer It	Powder Free Latex
K-0241	K-0242	K-0243	K-0244
Mexiflex Ultimate	Mexiflex Elite	Mexiflex Cut	Maxicut
K-0246	K-0247	K-0248	K-0249
Maxicut Oil	Maxdry	Maxichem	Maxifoam



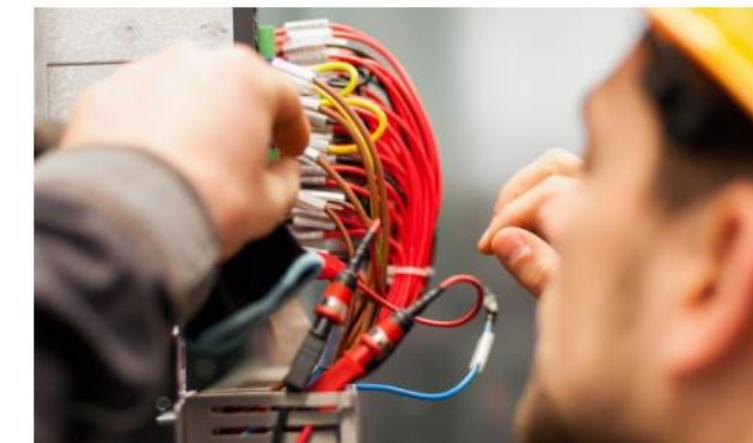
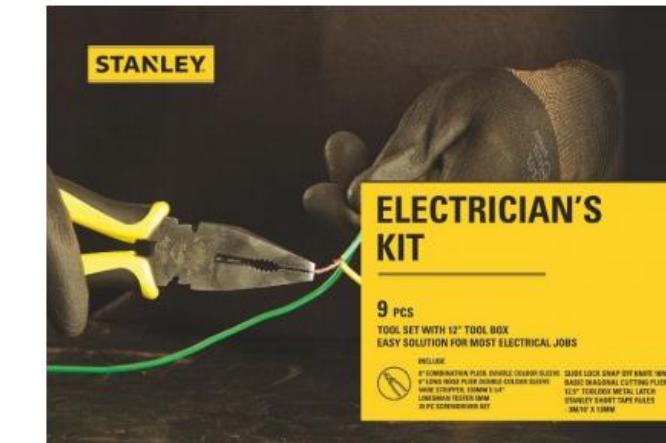
BODY HARNESS AND LANYARDS				
K-0251	K-0252	K-0253	K-0254	K-0255
ECO 01	EDGE 01	ECO 04	Tango 2	Ultra Tec
K-0256	K-0257	K-0258	K-0259	K-0260
UB 102	UB 102 Plus	WP 01	WP 02	Denim Jacket Harness
RL 02	RL 05	BL 04	BL 03	WL 05
K-0261	K-0262	K-0263	K-0264	K-0265
K-0266	K-0267	K-0268	K-0269	K-0270
EL 09	Absorb WL 01	Absorb 01	Easy Absorb RL 22	PL 03
K-0271	K-0272	K-0273	K-0274	K-0275
Easy 308	Easy SH 18	Easy SH 60	Easy SH 90	Multi Use Connector

**STANLEY®****HAND TOOLS & STORAGE**

# POWER TOOLS AND HAND TOOLS – STANLEY, BLACK AND DECKER

**ELECTRICIAN-KIT****ELECTRICIAN KIT**

- 9Pc tool set
- With 12" tool box
- Easy solution for most electrical jobs

**Contents of the Kit**

SKU	Description
70-482	8" COMBINATION PLIER, DOUBLE COLOUR SLEEVE
70-483	6" LONG NOSE PLIER DOUBLE COLOUR SLEEVE
84-214-22	WIRE STRIPPER, 130MM 5 1/4"
66-120	LINESMAN TESTER 5MM
STHT0-70885	35 PC Screwdriver set
STHT10323-800	Slide Lock Snap Off Knife 18mm
STHT84124-8	BASIC DIAGONAL CUTTING PLIERS 4"
STST1-75515	12.5" TOOLBOX METAL LATCH
STHT36125-812	Stanley Short Tape Rules 3m/10' x 13mm



**MINCHU Earthing Rods, Electrodes and Lightning Arrestors -one stop solution-**  
**earthing requirements design, supply, pit digging, installation, load**  
**termination, chamber construction, megger resistance testing and certification**

GI,COPPER BONDED ELECTRODES - STRIP IN PIPE -1MTR,2MTR,3MTR LENGTH,  
 50MM DIA,80 MM DIA, 100+ MICRONS GALVANIZED

COPPER BONDED ROD -PURE COPPER -99% -17.2MM DIA-1,2,3 MTR LENGTH

CONVENTIONAL LIGHTNING ARRESTORS- COPPER AND BRASS WITH MULTI SPIKE -10,15,20M RADIUS COVERAGE APPROX ,1-1.5M LENGTH ,17.2MM DIA - CPRI CERTIFIED

WITH 15KG,20KG ,25KG CHEMICAL CONDUCTIVITY COMPOUND - BENTONITE,GRAPHITE BASED - HIGH FIXED AND LOW FIXED CARBON ,ALL WEATHER CONDITION

WITH EXPERIENCE OF OVER 500+INSTALLATION ACROSS SOUTH INDIA AND WITH CLIENTS SUCH AS BHEL,ADE,RAGAVAS LABS,PAI DIGITAL,TATA DIAGNOSTIC LABS,VRL WE ALSO UNDERTAKE DESIGN,SUPPLY,INSTALLATION AND CERTIFICATION OF EARTHING ELECTRODE AND LIGHTNING ARRESTORS

**CHEMICAL EARTHING - CARBON**

USE CHEMICAL EARTHING  
 REDUCED AND HASSEL FREE MAINTENANCE

Carbon used in Earthing  
 Material variety –  
 High Fixed Carbon (80%) & Low fixed Carbon variety (60%)

Sacks size available in -  
 15kg, 20kg & 25kg

Arrest your faulty current – use PriGRA-P

**Copper Bonded Rod**  
 Copper bonded steel earth rods are the most commonly used earth electrode. They are suitable for most application, compatible for deep driving & are economical. Copper bonded steel earth rods are made by molecularly

**Pure Copper Rod**  
 Pure Copper Earth Rods are made of pure (100%) electrolytic copper. The Earth Rods are hard drawn from extruded copper bars. Pure copper earth rods are preferred where soil conditions are very aggressive & corrosive. The rods are threaded internally to make it extensible for deep driving

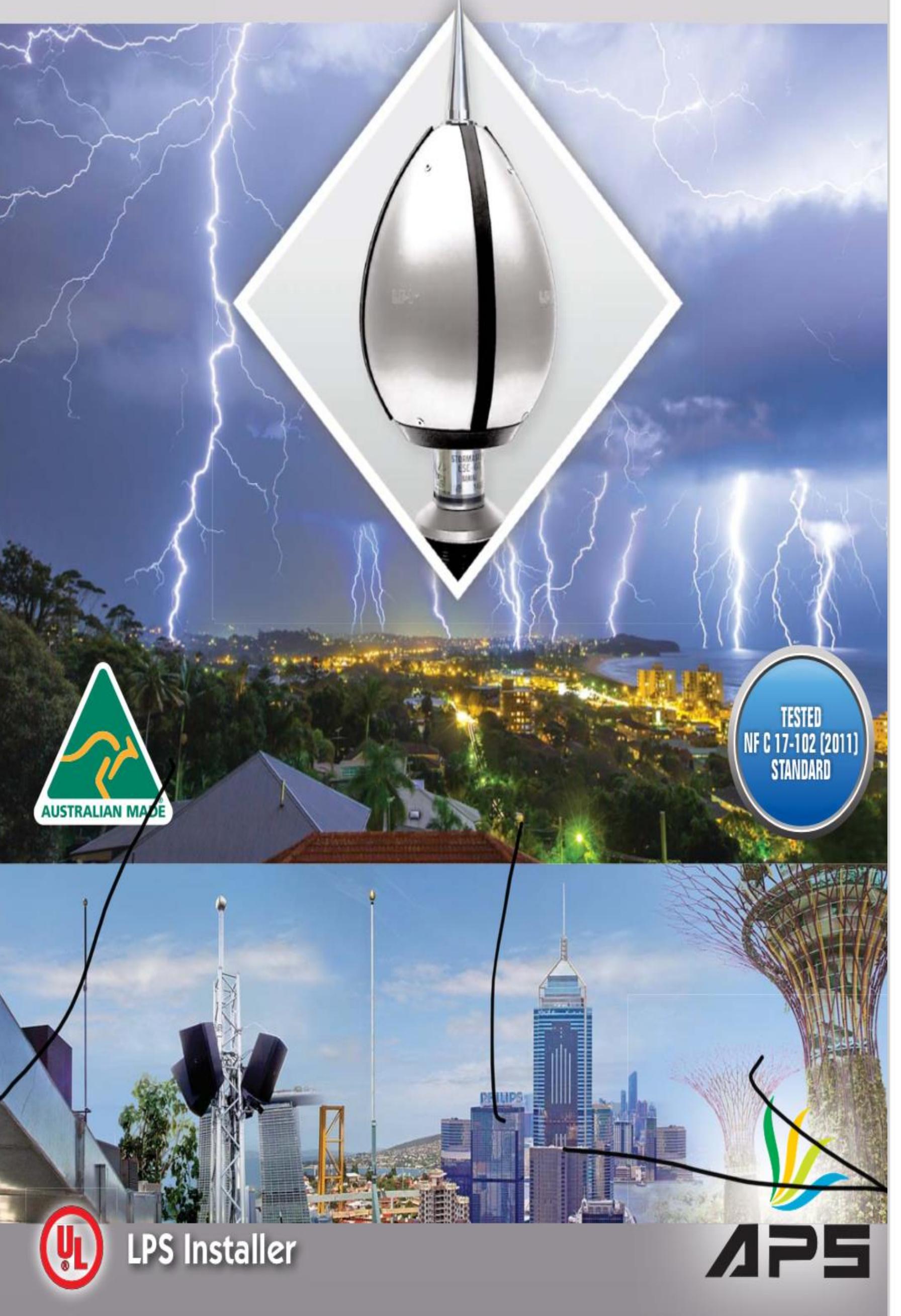
**Features of Lighting Arresters:**

- Very high electrical conductivity
- Tested and suitable for all weather and climates
- Very durable and very low maintenance cost
- Intercept Lightning Flashes
- Protects equipment from surges and transients on incoming power lines.
- Prevents equipment damage and costly operational downtime

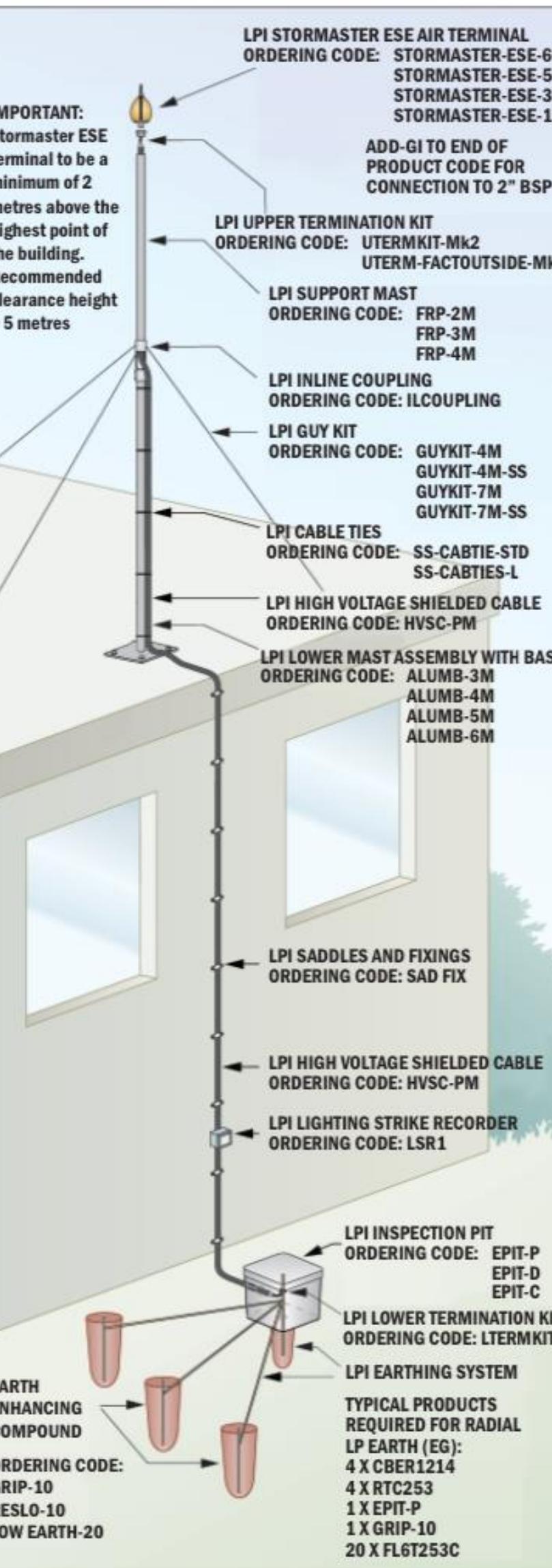
**Available in :**  
 Gunmetal, Brass.



# STORMMASTER ESE Air Terminal



## Stormmaster Installation



### Disclaimer

- LPI maintains a policy of on-going product development, specifications are subject to change without notice.
- Application detail, illustrations and schematic drawings are representative only and should be used as guides.
- It should be noted that 100% protection for direct strike lightning, lightning detection and surge and transient

**LPI**

**LPI STORMMASTER ESE AIR TERMINAL**

## LPI's Stormmaster ESE

The LPI Stormmaster (Early Streamer Emission) range of terminals provides a safe and efficient system for the protection of your facility from direct lightning strikes. The LPI Stormmaster ESE terminal captures the lightning energy at a preferred point.

## How does the LPI Stormmaster ESE Terminal work?

The Stormmaster ESE air terminal uses the naturally occurring electrical field to complete the timely release of an upward streamer. This process provides for a safe and efficient method of controlling dangerous lightning energy at a preferred point.

As a thunderstorm gathers overhead, the ambient electrical field surrounding the Stormmaster ESE begins to rise in voltage. Upon the approach of a downward leader towards the protected area, there is a rapid increase in the electric field which initiates the triggering of an upward streamer from the Stormmaster ESE terminal. The early initiation allows for a larger or enhanced area of protection to be provided by the Stormmaster ESE in comparison to a conventional rod, in accordance with NF C 17-102 (2011).



With the release of the upward streamer from the finial tip earlier than other competing structural points, the Stormmaster ESE terminal becomes a preferred point for the capture of the lightning discharge within the protected area.

## The Stormmaster ESE range

LPI Early Streamer Emission (ESE) air terminals in both **Anodised Aluminium** and **Stainless Steel**.

### Ordering Code:

STORMMASTER ESE-XX-YY-ZZ

XX: Available in 15, 30, 50 and 60

YY: Blank for Gold (anodised aluminium) model,  
SS for stainless steel model

ZZ: Blank for standard model  
(to FRP Mast), GI for 2 inch BSP  
GI pipe adaptor

### Stormmaster ESE Tester:

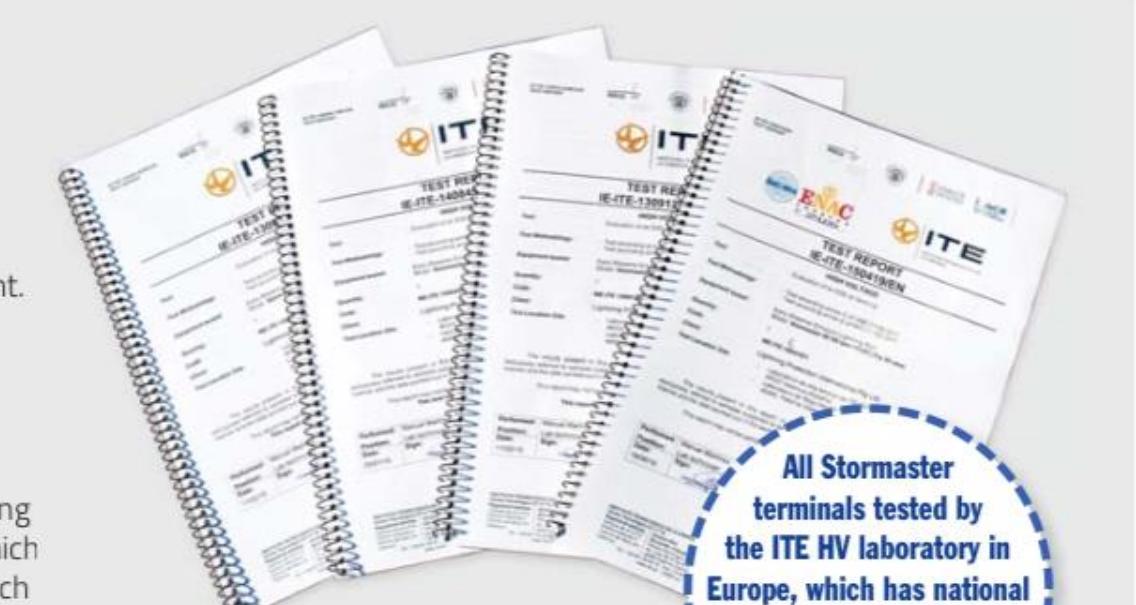
Ordering Code: Stormaster-ESE-Tester



## Certified Performance

As one of the leading companies in the field of lightning protection, LPI has invested heavily in field and laboratory testing as part of its ongoing commitment to research and development.

Throughout the product development of the Stormmaster ESE, the proto-type models were subjected to intense testing under high voltage conditions. Following further refinements, the Stormmaster terminals were subjected to final testing by an independently accredited test laboratory which completed testing in full compliance with the French National Standard NF C 17-102 (2011). The final testing of Stormmaster ESE terminals showed effective performance as defined in this Standard.



All Stormmaster terminals tested by the ITE HV laboratory in Europe, which has national (ENAC) and international (ILAC / ISO IEC) accreditation.

# OUR EARTHING AND LA PROJECTS



# CHANNEL PARTNERS-PANASONIC-ANCHOR WIRES AND CONDUITS,PIPES,CASES



WIRES

# COMPLETE WIRING SOLUTIONS

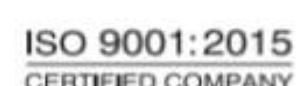


[Advance-FR](#) | [Advance-EFFR](#) | [FireGuard FR - LSH](#) | [LAN Cable](#) | [Multi Core](#) | [Telephone Cable](#) | [Twin Cable](#)

# Anchor wire, no fire!



\*Consumer Superbrand 2014-15 awarded for Electrical Wiring Devices



International Copper Association India



1/2



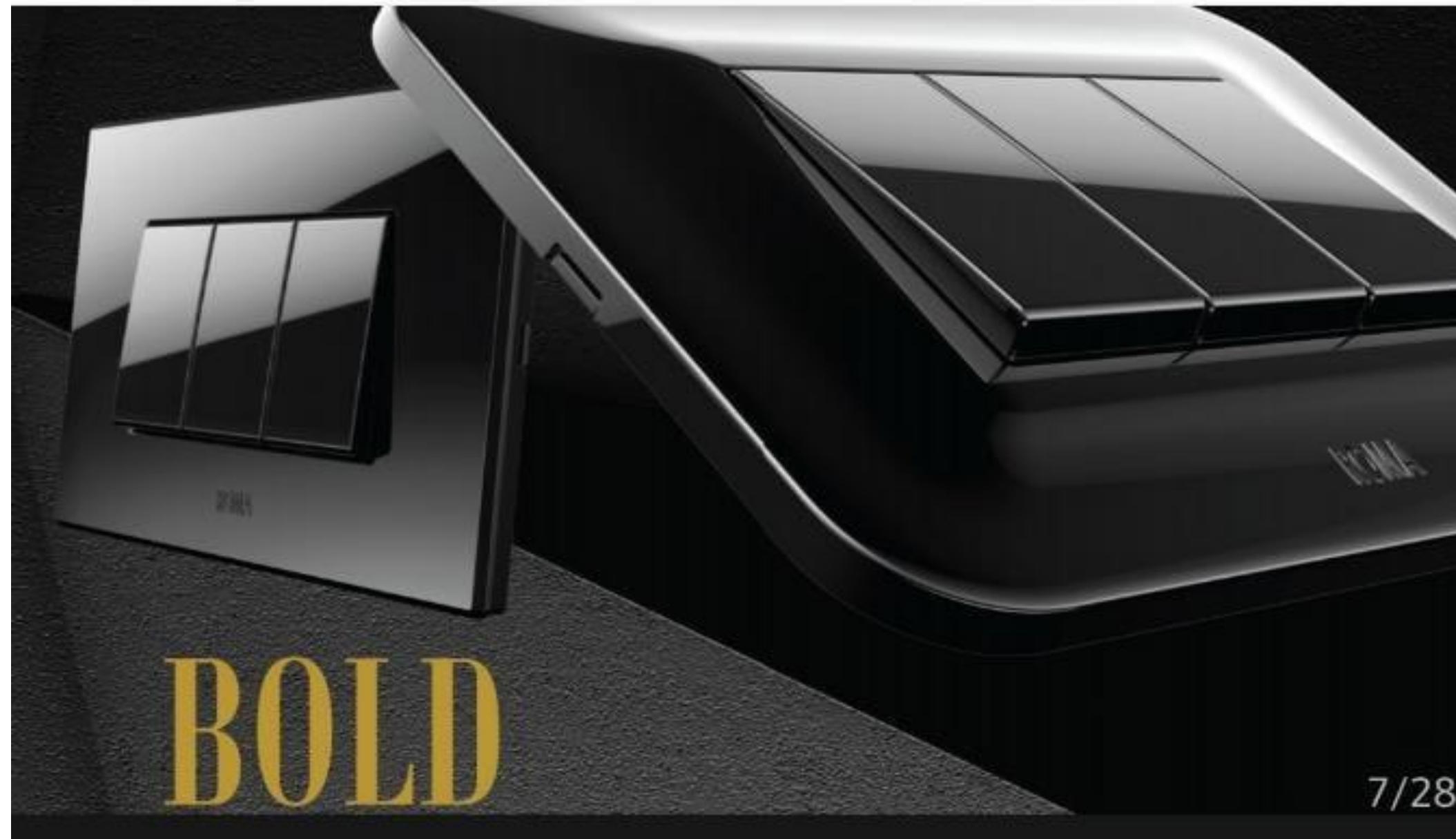
## Menu



# CONDUITS & ACCESSORIES



# CHANNEL PARTNERS FOR ANCHOR BY PANASONIC SWITCHES ,PLUG SOCKETS, REGULATORS & MCB /SMART SAFETY PLUG



# SMART PLUG

A NEW APPROACH TOWARDS APPLIANCE PROTECTION

6 Amp

The device features a digital display showing '6 Amp' and several buttons labeled 'ON/OFF', 'SUSPEND', and 'RESTART'. A red label on the front panel reads 'Protects valuable appliances from dangerous voltage fluctuations'. The word 'SMART' is also visible on the front panel.

- Tested by German Laboratory
- Ideal for - T.V., Music System, DTH Set-top box, Laptop,etc.
- Over/Under Voltage Cut Out ( 165V-270V AC)
- Tolerant to 440V AC input & Surge protection upto 4KV
- Advanced micro-processor technology
- Auto Restart

## SMART PLUG APPLICATIONS





ಬೆಳಕು  
**BELAKU**  
ENGINEERS AND CONSULTANTS

**YOUR PATH TO TIMELY  
AND QUALITY POWER  
SERVICE**

# OUR USP – GOVT APPROVED CLASS -1 LISCENCED ELECTRICAL CONTRACTORS, ENERGY AUDITORS, ELECTRICAL CONSULTANTS o

- INTERNACHI, USA ENERGY SAVING AUDITOR, NATIONAL SAFETY COUNCIL ELECTRICAL SAFETY CONSULTANT
- We use only star rated energy saving, top quality materials which, are certified and tested by NABL
- We undertake load upgrade , downgrade, LT/HT new connection ,name change, tariff change, NOC ,Bescom/CEIG approvals.
- We undertake Transformer ,cable,pole, spun pole gos materials, earthing , LA engineering , design , procurement and commissioning .
- We have an experienced qualified team of engineers and technicians .
- Well versed with ESCOMS/KPTCL /KERC rules and regulations .
- Our team consists 30 years experienced consultants .
- We always use MADE IN INDIA, BESCOM approved CPRI tested products .
- Have commissioned various projects(including solar projects) across Karnataka of upto 3MW

# OUR project list

- Power service for Samarthanam Trust –HSR 50kw.
- Power service police quarters Villa , kengeri -15 kw.
- Power service for Pizzeria-Bnnerghatta road- 34kw.
- Power service for Villa –Ranka colony -34 kw.
- Power service for VRL GODEWN –JARAGANAHALLI -15 KW .
- Power service for TATA LABS –J.P. NAGAR -34KW .
- Power service for Commercial Building – Whitefield- 75kw.
- Comissioning of 2MW solar power plant –SJS enterprises.
- Comissioning of 100kw solar power plant – sourdhika sangha , shimoga –cold storage
- NOC of over 1.9MW arranged for sai srushti builders , Oravia builders .
- NOC VISTAA builds -1910 kva whitefield.
- NOC SAI SRUSHTI BUILDERS – 2000KVA
- RR BUILD CON -500 KVA HT PROJECT
- Apr builders – 40kw power sanction
- KCT- ICP company load reduction and temporary power service
- Supplied and installed chemical earthing electrodes and Lightning arrestors at Salapuria, Purvankara , Prestige, RMZ .
- COMISSIONED 300KVA project –ramanagara villa layout -50 plots.
- Comissioned 330 kva project cosmos mayflower -25 plot villa ssociation.
- Comissioned safety approval and periodic inspections for brigade palm springs.
- Comissioned HT power supply for VRL sarakki -15kw 3 phase
- COMISSIONED HDFC bank building-isro layout-67KW power sanction
- Comissioned Christ University -900kva load enhancement, diary circle



# BELAKU ENGINEERS&CONSULTANTS SOLAR LAISONING EXPERTS



- Class one Government Approved Electrical Contractors
- Consultants
- Energy Auditors
- Energy

No.345/21, 38th Cross, 28th Main, 9th Block,  
Jayanagar, Bangalore - 560069  
E-mail : [belaku.engineers@gmail.com](mailto:belaku.engineers@gmail.com)  
Facebook Page :



CONNECT TO US FOR  
SOLAR SITE INSPECTION,  
PPA,METER CALIBRATION,  
BESCOM APPROVALS  
,DRAWING AND SAFETY  
APPROVALS - CEIG  
,COMISSIONING -MRT  
CALIBRATIONS AND  
TESTING ,ETC  
WE ARE -CLASS 1 LEC AND  
CONSULTANTS WITH  
EXPERIENCE OF  
COMISSIONING 2.5MW OF  
SRTPV AND CONSULTANTS  
WITH 30 YEARS  
EXPERIENCE FORMERLY IN  
BESCOM

Renewable energy for your home



# Enphase IQ Micro – Smarter, Lighter and Faster

## Delta RPI-Commercial Series

### RPI - M12 / M15A / M20A / M30

Delta RPI - Commercial series comes in RPI12, RPI M15A, RPI M20A and RPI M30 models of transformerless PV inverters. With Delta's cutting-edge technology the commercial series are with efficiencies as high as 98.2%. These inverters are compact in size with durable quality to ensure smooth PV system operation.



- **Rapid shutdown certified (NEC 2014 and NEC 2017)**
- **97% CEC efficiency**
- **Plug and play 2-wire cabling system**
- **Polymer enclosure**
  - Double insulated, non-corrosive





Diana

**Product Features:**

- BLDC Motor
- Super High Definition LCD Display
- Central Dial For Easy Use
- Height Adjusting Mechanism
- Remote Base
- Inhalt County Wind Model
- LCD Display Panel With Screen Off Feature
- Smart Eco-Sense Mode
- Wind Chill Effect
- Sleep Timer
- The technology advanced motor makes it more energy efficient.
- It uses less energy to cool your room.

**Benefits:**

- Uniquely designed premium under light fan with LED
- Multi-colour options for setting different ambience
- 1050 mm sweep size

CALMA

**Product Features:**

- BLDC Motor
- Super High Definition LCD Display
- Central Dial For Easy Use
- Height Adjusting Mechanism
- Remote Base
- Inhalt County Wind Model
- LCD Display Panel With Screen Off Feature
- Smart Eco-Sense Mode
- Wind Chill Effect
- Sleep Timer
- The technology advanced motor makes it more energy efficient.
- It uses less energy to cool your room.

**Benefits:**

- Uniquely designed premium under light fan with LED
- Multi-colour options for setting different ambience
- 1050 mm sweep size

Angel

**Product Features:**

- BLDC Motor
- Super High Definition LCD Display
- Central Dial For Easy Use
- Height Adjusting Mechanism
- Remote Base
- Inhalt County Wind Model
- LCD Display Panel With Screen Off Feature
- Smart Eco-Sense Mode
- Wind Chill Effect
- Sleep Timer
- The technology advanced motor makes it more energy efficient.
- It uses less energy to cool your room.

**Benefits:**

- Uniquely designed premium under light fan with LED
- Multi-colour options for setting different ambience
- 1050 mm sweep size



Fontana Maple Antique Brass 1270  
MRP-7600

Onassis

**Product Features:**

- 35 WATTS
- Uniquely designed premium under light fan with LED
- Multi-colour options for setting different ambience
- 1550 mm sweep size

Matiz

**Product Features:**

- Premium under light fan with LED in Antique Brass finish
- Multi-colour options for setting different ambience
- 1200 mm sweep size

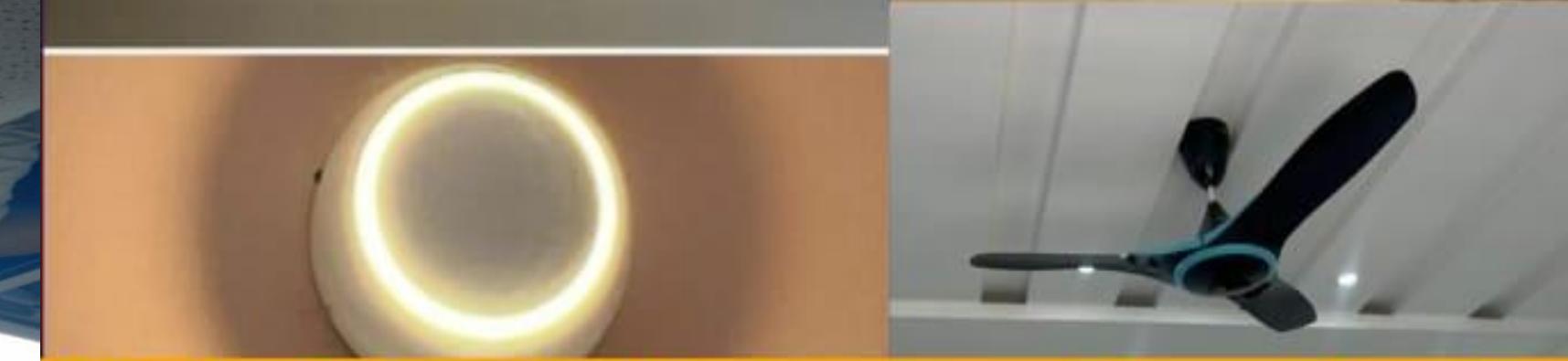
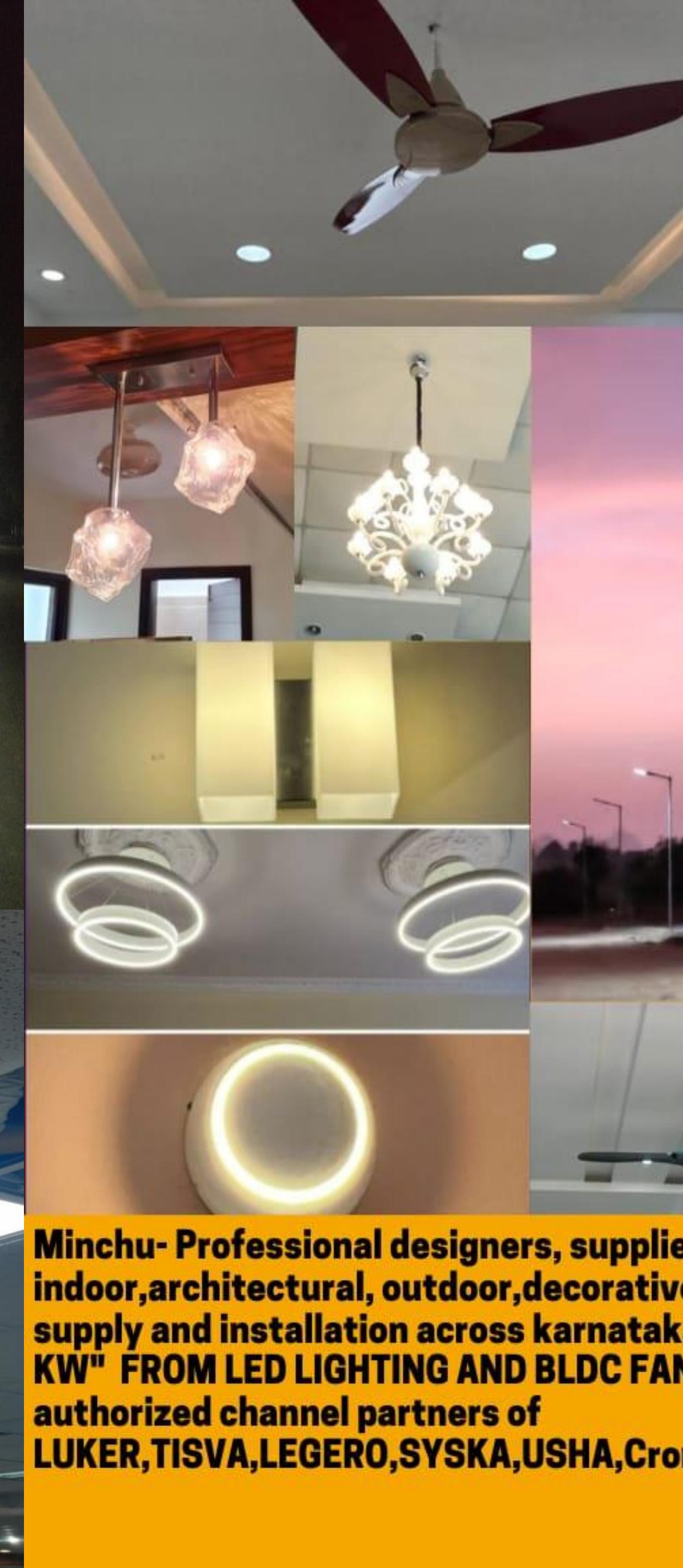
Augusta

**Product Features:**

- 35 WATTS
- Uniquely designed premium under light fan with LED
- Multi-colour options for setting different ambience
- 1400 mm sweep size

# USHA ,LUKER FANS -DEALERS AND INSTALLERS

- PREMIUM FANS, B.L.D.C FANS, REGULAR FANS, CEILING FANS, PEDASTAL FANS, TABLE FANS, WALL MOUNTED FANS , HAND HELD FANS



**Minchu- Professional designers, suppliers and installers of indoor,architectural, outdoor,decorative LED lighting,Fans - over 200+ supply and installation across karnataka,"ENERGY SAVING OF OVER 1000 KW" FROM LED LIGHTING AND BLDC FANS authorized channel partners of LUKER,TISVA,LEGERO,SYSPA,USHA,Crompton**



## DEALERS -

- 1) PANASONIC COMMERCIAL AND PROFESSIONAL LIGHTING
- 2) TISVA - DECORATIVE AND DOMESTIC LIGHTING
- 3) LUKER- AUTOMATION /SENSOR/OUTDOOR /CORPORATE LIGHTING/SOLAR LIGHTING

**TISVA®**  
FEEL THE WARMTH. SEE THE LIGHT.



DESIGNER  
LIGHTING

AN INITIATIVE OF —————  
USHA INTERNATIONAL LTD

# SOLAR LED FIXTURES-JV LUKER MAKE

## SOLAR LIGHTS

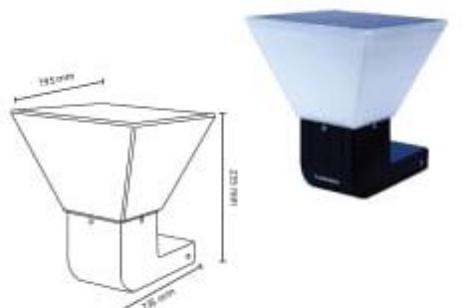
STREET LIGHT- ALL IN ONE, GATE LIGHT , BOLLARD LIGHT , GATE LIGHT

### SOLAR LIGHTS



**Product Name : SOLTERO SOLAR WALL LIGHTS**  
**Product Code : LWLSOL51**  
**Type : SOLAR WALL LIGHTS**  
**Wattage : 5W**  
**CCT : WW & WH, (2 in 1)**  
**Material : Alu Die cast**  
**Body Color : Black**  
**IP Rating : IP65**  
**Specification : 3.7V 5200 mAh Battery**  
**5W/ 5V Solar Panel**  
**Operation : Automatic On/Off using**  
**LDR Senor light color changing and master off option with inbuilt toggle switch**  
**Charging Time : 6 to 8 Hours**  
**Backup Time : 8 to 12 hours**  
**MRP : 7440/-**

**Product Name : SOLTERO SOLAR GARDEN LIGHTS**  
**Product Code : LWLSOL03**  
**Type : SOLAR WALL LIGHTS**  
**Wattage : 3W**  
**CCT : WW, WH**  
**Material : Alu Die cast**  
**Body Color : White**  
**IP Rating : IP65**  
**Specification : 3.7V 2200 mAh Battery**  
**2W Solar Panel**  
**Operation : Automatic On/Off using**  
**LDR Senor Master on/off switch for optimised usage**  
**Charging Time: 6 to 8 Hours**  
**Backup Time : 8 to 12 hours**  
**MRP : 2150/-**



**Product Name : SOLTERO SOLAR GATE LIGHTS**  
**Product Code : LGLSOL10**  
**Type : SOLAR GATE LIGHTS**  
**Wattage : 2W**  
**CCT : WW, WH,**  
**Material : Alu Die cast**  
**Body Color : Black**  
**IP Rating : IP65**  
**Specification : 3.7V 2200 mAh Battery**  
**3W/ 5V Solar Panel**  
**Operation : Automatic On/Off using**  
**LDR Senor Master on/off switch for optimised usage**  
**Charging Time : 6 to 8 Hours**  
**Backup Time : 8 to 12 hours**  
**MRP : 2750/-**



**Product Name : SOLTERO SOLAR GATE LIGHTS**  
**Product Code : LGLSOL31**  
**Type : SOLAR GATE LIGHTS**  
**Wattage : 5W**  
**CCT : WW & WH, (2 in 1)**  
**Material : Alu Die cast**  
**Body Color : Black**  
**IP Rating : IP65**  
**Specification : 3.7V 5200 mAh Battery**  
**5W/ 5V Solar Panel**  
**Operation : Automatic On/Off using**  
**LDR Senor light color changing and master off option with inbuilt toggle switch**  
**Charging Time: 6 to 8 Hours**  
**Backup Time : 8 to 12 hours**  
**MRP : 6280/-**

140 - 275 V  
50 HZ

30

### SOLAR LIGHTS



**Product Name : SOLTERO SOLAR GARDEN LIGHTS**  
**Product Code : LGLSOL57**  
**Type : SOLAR GATE LIGHTS**  
**Wattage : 5W**  
**CCT : WW, WH**  
**Material : Alu Die cast**  
**Body Color : Black**  
**IP Rating : IP65**  
**Specification : 3.7V 5200 mAh Battery**  
**5W/ 5V Solar Panel**  
**Operation : Automatic On/Off using**  
**LDR Senor Master on/off switch for optimised usage**  
**Charging Time: 6 to 8 Hours**  
**Backup Time : 8 to 12 hours**  
**MRP : 9680/-**



30



**Product Name : SOLTERO SOLAR GARDEN LIGHTS**  
**Product Code : LSTSOL18N**  
**Type : STREET LIGHTS**  
**Wattage : 18W**  
**CCT : WH**  
**Material : Alu Die cast**  
**Body Color : Black**  
**IP Rating : IP54**  
**Specification : 3.7V 5200 mAh Battery**  
**4.5W/ 5V Solar Panel**  
**Operation Time : Automatic On/Off using**  
**Built-in LDR Senor**  
**Charging Time: 6 to 8 Hours**  
**Backup Time : 8 to 12 hours**  
**MRP : 5940/-**



**Product Name : SOLTERO SOLAR GARDEN LIGHTS**  
**Product Code : LSTSOL24N**  
**Type : STREET LIGHTS**  
**Wattage : 24W**  
**CCT : WH**  
**Material : Alu Die cast**  
**Body Color : Black**  
**IP Rating : IP54**  
**Specification : 3.7V 5200 mAh Battery**  
**4.5W/ 5V Solar Panel**  
**Operation Time : Automatic On/Off using**  
**Built-in LDR Senor**  
**Charging Time: 6 to 8 Hours**  
**Backup Time : 8 to 12 hours**  
**MRP : 7790/-**

**Product Name : SOLTERO SOLAR GARDEN LIGHTS**  
**Product Code :: LSTSOL10N**  
**Type : STREET LIGHTS**  
**Wattage : 10W**  
**CCT : WH**  
**Material : Alu Die cast**  
**Body Color : Black**  
**IP Rating : IP54**  
**Specification : 3.7V 5200 mAh Battery**  
**4.5W/ 5V Solar Panel**  
**Operation Time : Automatic On/Off using**  
**Built-in LDR Senor**  
**Charging Time: 6 to 8 Hours**  
**Backup Time : 8 to 12 hours**  
**MRP : 4370/-**



**Product Name : SOLTERO SOLAR GARDEN LIGHTS**  
**Product Code : LSTSOL30N**  
**Type : STREET LIGHTS**  
**Wattage : 30W**  
**CCT : WH**  
**Material : Alu Die cast**  
**Body Color : Black**  
**IP Rating : IP54**  
**Specification : 3.7V 5200 mAh Battery**  
**4.5W/ 5V Solar Panel**  
**Operation Time : Automatic On/Off using**  
**Built-in LDR Senor**  
**Charging Time: 6 to 8 Hours**  
**Backup Time : 8 to 12 hours**  
**MRP : 9680/-**



140 - 275 V  
50 HZ

30

# The Ultimate WORK FROM HOME Power Solution!

India's FIRST Home UPS  
with BUILT-IN SEALED  
**MAINTAINANCE FREE**  
BATTERY.

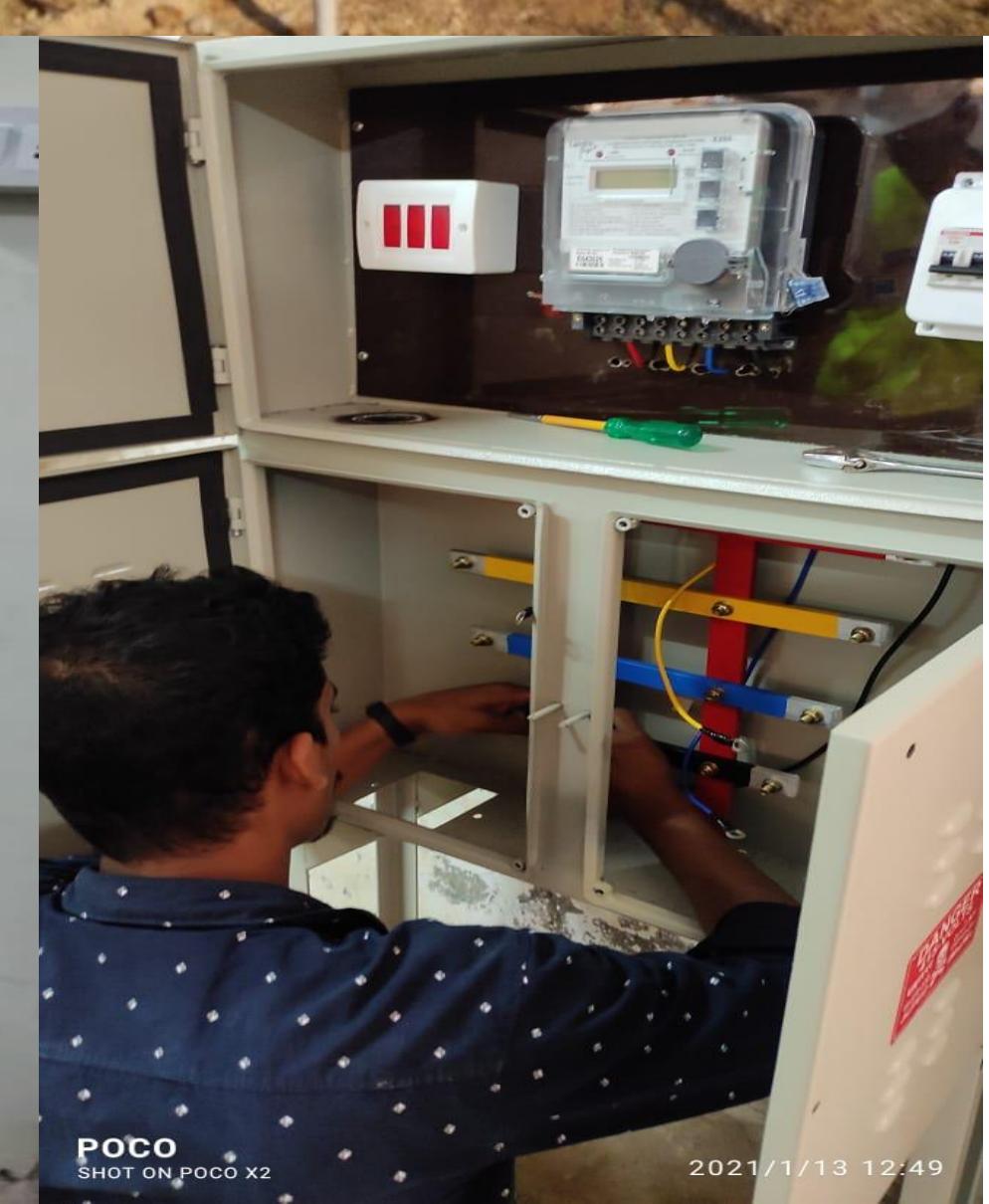


**Minchu**  
Solutions for Electrical Safety



**ONE OF IT'S KIND  
UNIQUE UPS WITH  
INBUILT  
BATTERY, LEAST  
MANUFACTURE,  
NO LEAKAGE  
WHICH CAN  
SUPPORT BACK UP  
FOR  
TV, LIGHTS, FANS  
COMPUTERS AND  
ROUTERS  
AUTHORIZED  
CHANNEL  
PARTNERS -  
MINCHU**

# OUR SERVICIE PROJECTS-FAULT /TROUBLE SHOOT WORKS, FAULT CORRECTION ,SAFETY WORKS, SWITCH Our Projects ,MCB REPLACEMENT ,UPS WIRING , EARTHING EPC



# CUSTOMERS

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**RK GROUP**  
The joy of good health™

**SILENT SHORES**  
RESORT & SPA

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The Residences  
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 **india foodpar**

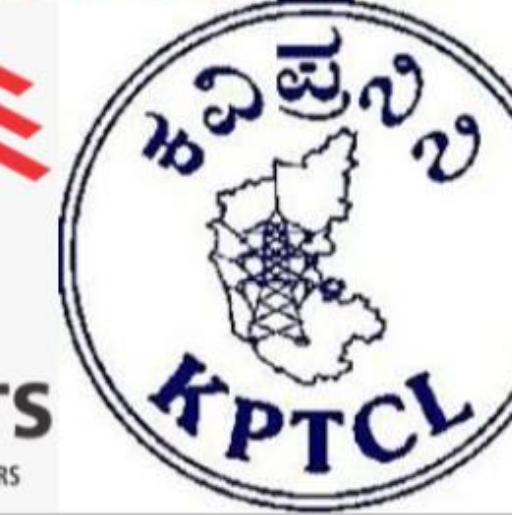
**N.E.T**  
PUBLIC SCHOOL

**DECATHLON**



**LARSEN & TOUBRO**

  
**LISTENLIGHTS**  
ELECTRICAL ENGINEERS & CONTRACTORS



  
**SAMARTHANAM**  
EDUCATE... EMPOWER... ELEVATE®  
ಸಮಾರ್ಥನಂ ಅಂಗವಿಕಲರ ಸಂಸ್ಥೆ  
Samarthanam Trust for the Disabled®

# ESTEEMED -Projects



- 1) Chemical earthing -L&T,RMZ,  
PRESTIGE,BRIGADE,  
DECATHLON,RAGAVAS LABS ,DRDO,BHEL
  
- 2) Lightning Arrestors-NET public school,  
Sourdika sangha -100kw SRTPV, VIZIPA  
optima constructions,Bharathiya Vidhya  
Bhavan ,SJS enetrprises
  
- 3) Safety Helmet Mounted Tester ,Pen  
Type tester,shock proof gloves, gum  
boots,safety belts, telescopic discharge  
rod,Rechargeable Led Torch -  
KPTCL,BESCOM ,CHESCOM ,L&T, OKAS  
CONSTRUCTIONS, POWER CONTROLS  
,ADLER ENSERV,TATA POWER , PEB

# ACHIEVEMENTS-CERTIFICATES

## CERTIFICATE OF NOMINATION



## Certificate of Completion

This certificate is awarded to

*Pranav cm*

For successfully completing the International Association of Certified Home Inspectors' online course and examination on the topic of Saving Home Energy for Real Estate Professionals Course

Final Exam Score: 81 (out of 100)



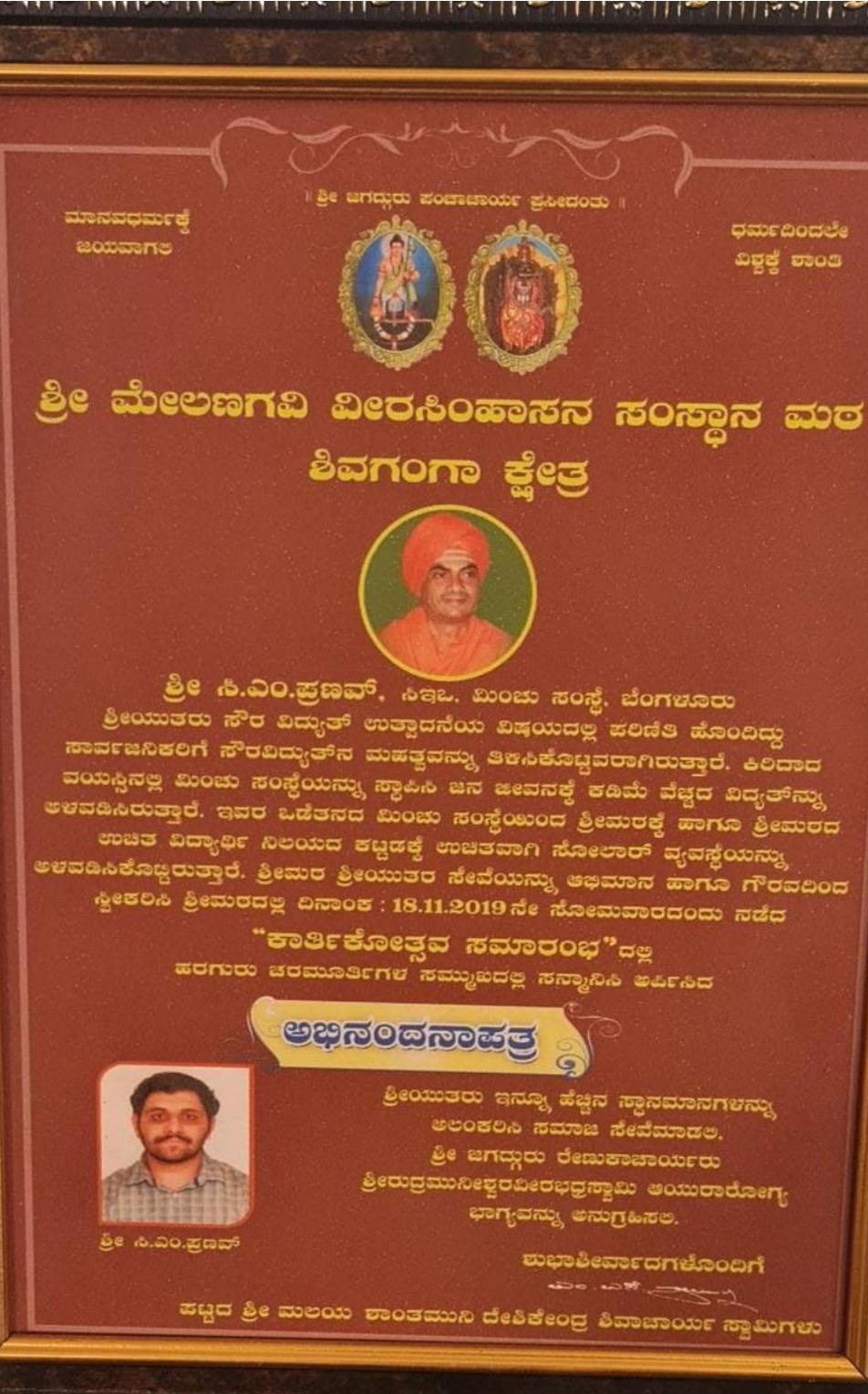
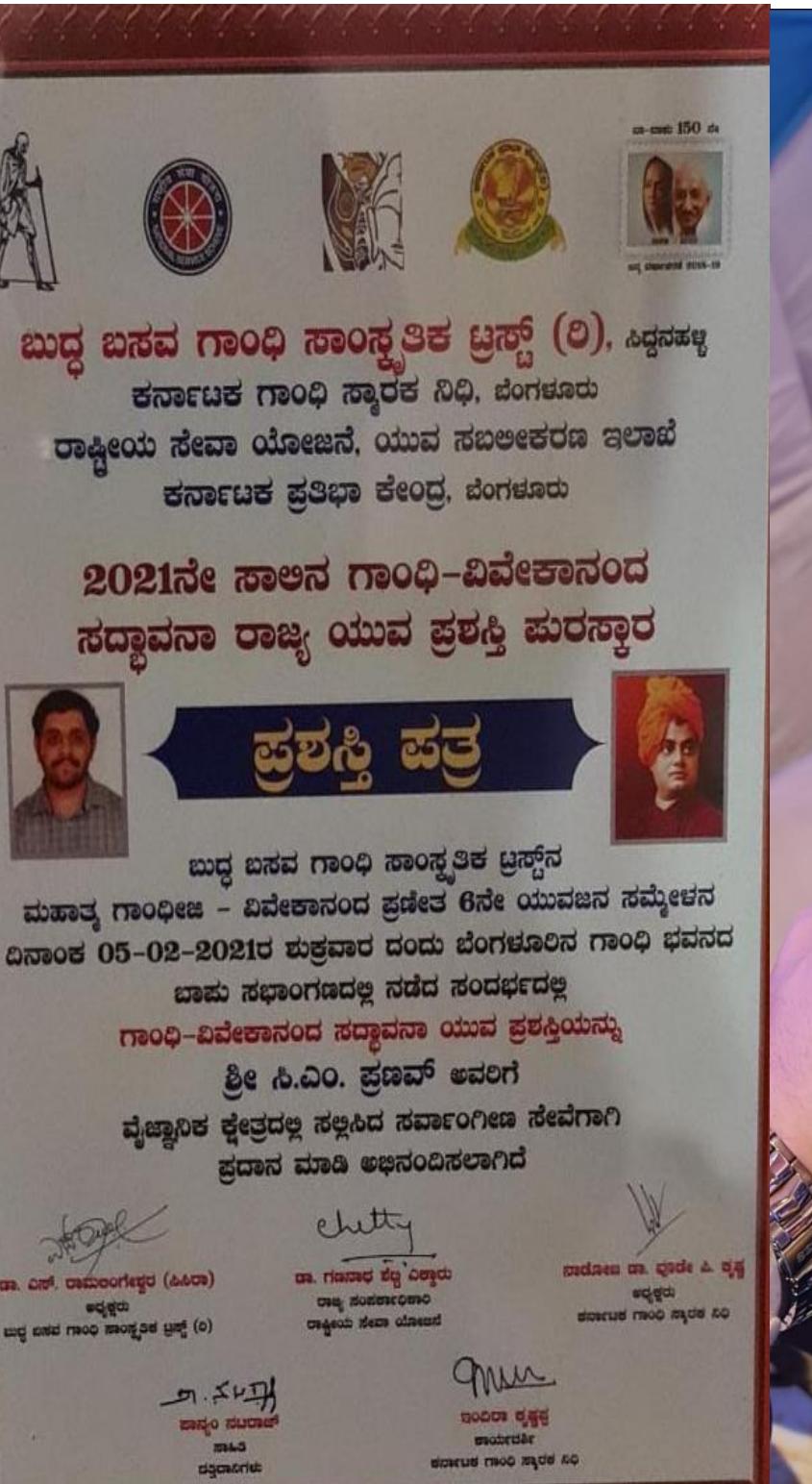
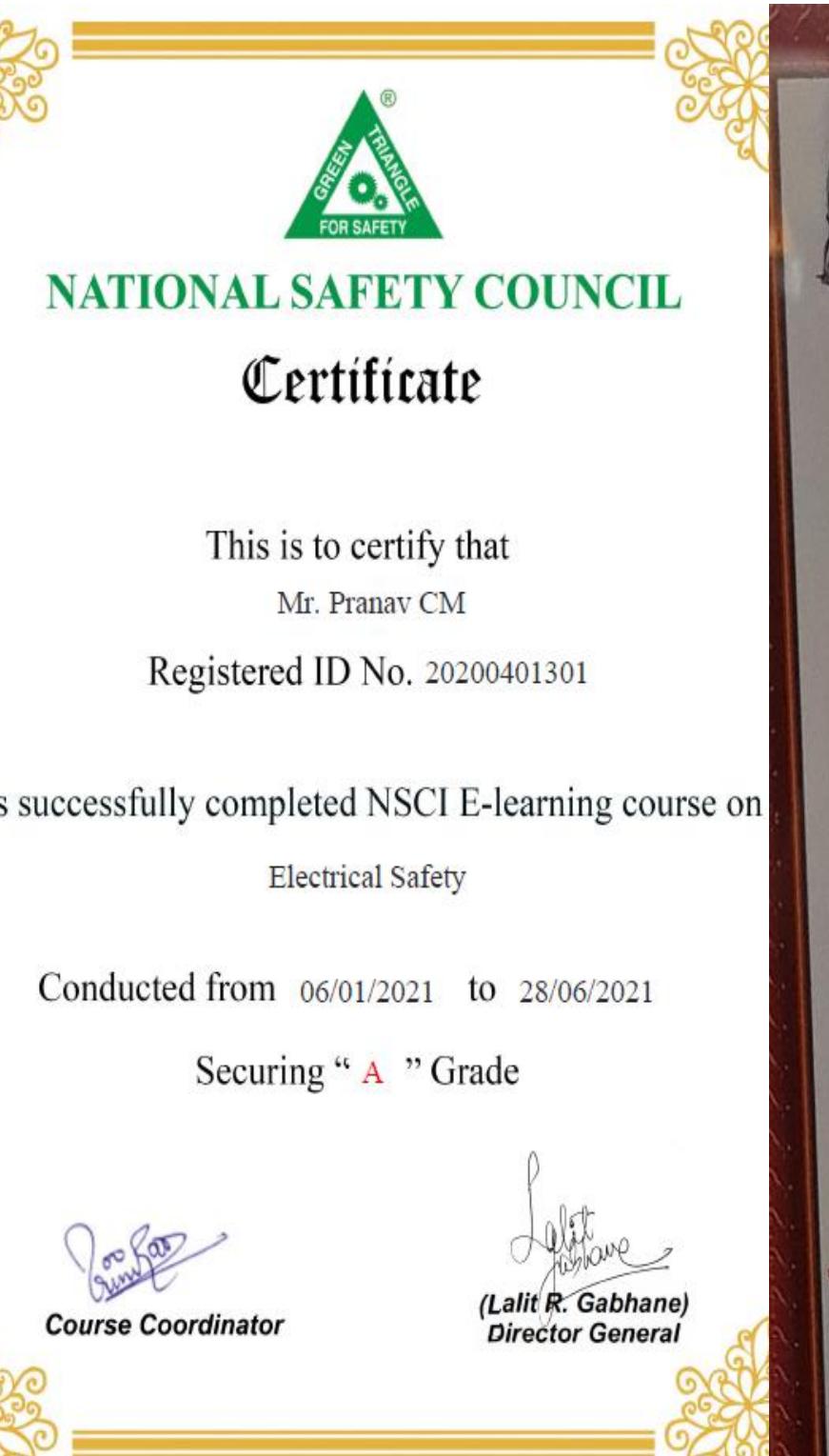
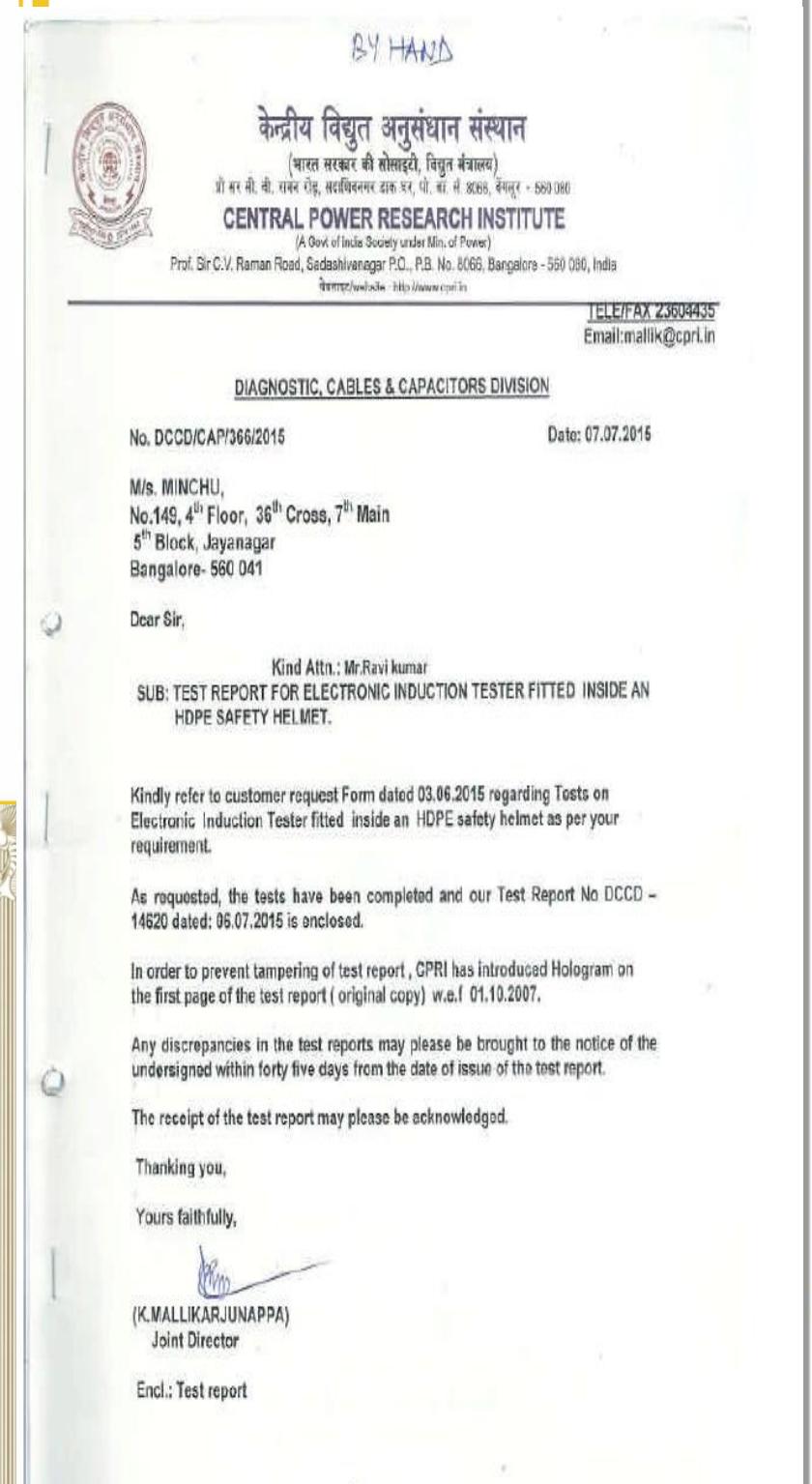
Issued by the International Association of Certified Home Inspectors  
1750 30th Street  
Boulder, CO 80301

Issued On: 4/28/2020  
Exam Code: EDU-0001-3806-64  
Credit Hours: 3 Hours



**Pranav C M**  
FOR  
Maximum Referrals - Agust-2021

BNI-Fortune  
Srinivasa Rao Y, Chapter President



- VOTED AS ONE AMONGST TOP 5000 INNOVATIVE START UPS IN A POLL CONDUCTED BY CNBC SND TQV
- WAS ONE OF THE 7 START UPS IN ELECTRICAL SAFETY SECTOR TO HAVE PARTICIPATED IN WORLD SAFETY WEEK EXHIBITION OF ABB IN 2016.
- CPRI CERTIFIED PRODUCTS
- THE HIGHEST SELLER OF STREET LIGHTS OF A PARTICULAR BRAND FOR ANY GATED COMMUNITY -300 NOS. FOR SUNNY BROOKS GATED COMMUNITY .
- ONE OF THE LARGEST SUPPLIER OF SAFETY PRODUCTS TO ESCOMS ACROSS SOUTH INDIA
- WAS ACCREDITED FOR DESIGNED AND SUPPLIED SHOCKPRO EARTHING ELECTRODES FOR RAGAVAS DIAGNOSTIC LABS- 80 NOS . TO ACHIEVE A RESISTANCE OF BELOW 0.5 OHMS .
- Esteemed certified member of National safety council.
- Internachi,USA, Certified energy saving expert
- BUDDHA BASAVA GANDHI ASSOCIATION-Achiever in SCIENCE AWARD
- SHIVAGANGA MATA -EXCELLENCE AWARD -KARTHIKOHSAVA SAMARAMBA
- TOOLS AND INSTRUMENTS CHAMBER OF COMMERCE, RECOGNIZED BY MSME, START UP INDIA -PRODUCT EXCELLENCE AWARD
- BNI -MOST REFERRAL AWARD

# Gives-CONNECTS

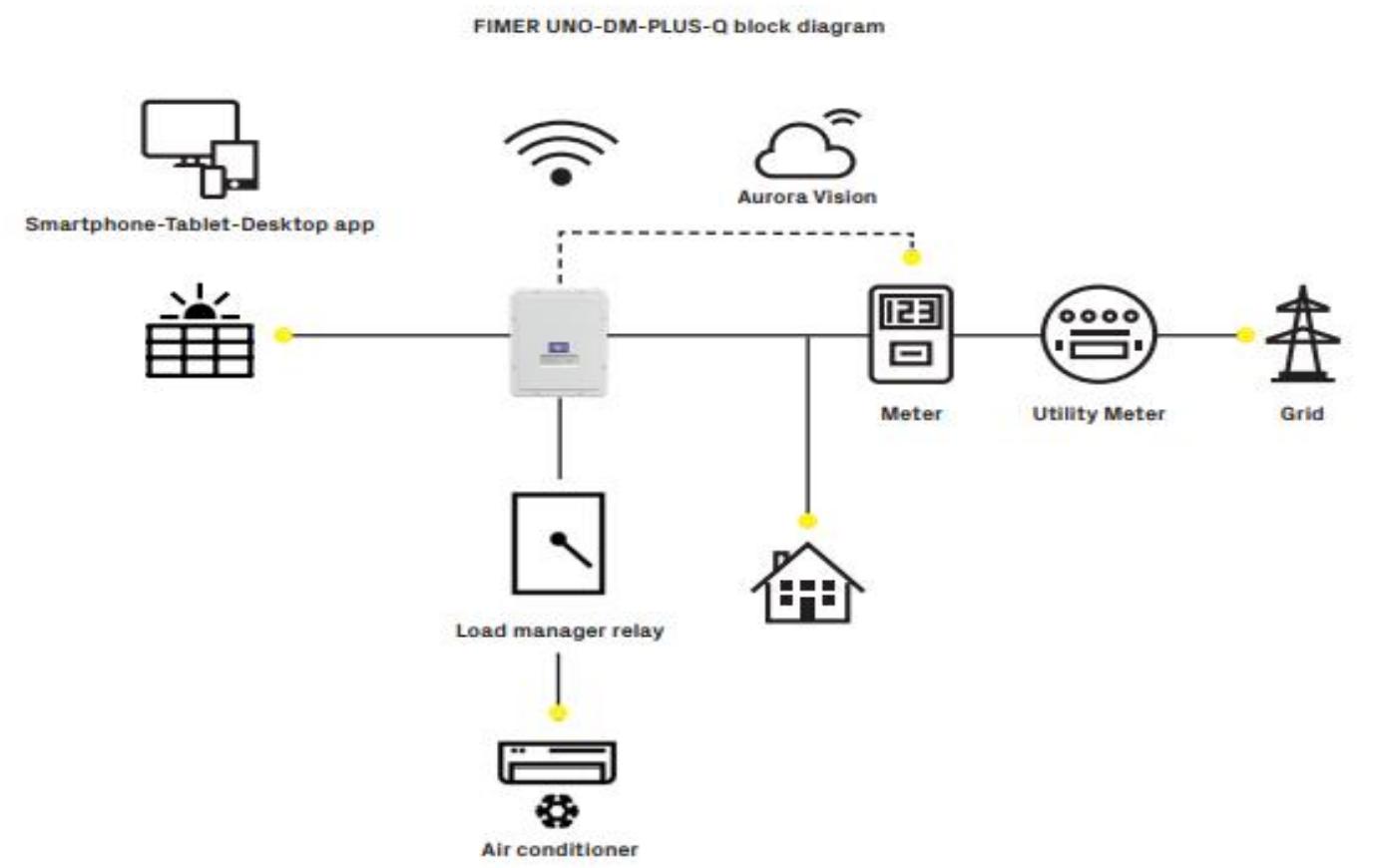
- NET PUBLIC SCHOOL
- RENXSOL ECOTECH
- VIZIPA CONSTRUCTION
- ADLER ENSERVE
- KPTCL
- BESCOM
- BEML
- DRDO
- CHESCOM
- DECATHLON
- SUNNY BROOKS-VILLAS ASSOCIATION
- RMZ
- BHEL
- SOLAR COMPANIES
- PANASONIC
- TISVA –USHA

# FUTURE GOAL

- 1)STRIVE FOR MORE AWARENESS ABOUT ELECTRICIAN /LINEMAN OCCUPATIONAL SAFETY HAZARD AND LIFE SAFETY DURING WORKING CONDITIONS.
- 2) STRIVE FOR CONSERVATION OF ENERGY AND USE OF OPTIMUM ENERGY BY UTILIZING SOLAR ENERGY AND LED LIGHTING AND TO BE A PRIME EPC PIONEER IN SOLAR PROJECTS AND LIGHTING PROJECTS
- 3) STRIVE FOR ELECTRICAL SAFETY FOR DG,LIFT , TRANSFORMERS ,SOLAR PANELS,INVERTERS ,UPS AND HENCE AVOID SHORT CIRCUIT ,OVER LOAD FAULTS,EARTHING FAULTS
- 4) BEING SAFE IS BEING HAPPY AND BEING ABLE TO CONTRIBUTE TOWARDS BETTER NATION BUILDING ,SO WORK SAFE AND WORK EFFICIENTLY .
- 5) TO CREATE AND INVENT NEW AGE R&D PRODUCTS UNDER OCCUPATIONAL SAFETY

# The future.....E.V.

**FIMER -EV CHARGING STATION-RFID BASED . A.C./D.C.  
CHARGERS FROM 11-22KW ,BESCOM LT 6C tariff approvals**





**Danger**  
Electric shock risk



Do not waste electricity ,use  
electricity responsibly ,Use safety  
products and avoid electric shocks -  
stay safe &  
Thank you for your precious time