

Systemar Innovations

Better products for Greener FUTURE.



Product Catalog





INFRASTRUCTURE





About Us

Stellar Innovations, is a technology firm by IIT-ians with core focus on offering advanced and reliable Solar street lights, energy efficient AC LED street lights, Solar charge controllers and AC battery chargers. Our products are designed in our in-house Research & Development lab and are manufactured in our own production facility.

We constantly strive to provide innovative features in our products, which help in maximum utilization of available power while extending overall system life. With more than 25000 solar & smart LED lights supplied till date and very high customer satisfaction levels, we feel that we provide unique value to our customers.

So, if you are someone who cares about product features, efficiency & reliability, then SYSTELLAR products will truly delight you. We will always keep on innovating and coming out with products which surpass customer expectations.

Our Products

SOLAR STREET LIGHTS

- Smart solar street lights with remote control for data / battery health monitoring. Also, the running parameters of solar light can be set by user
- All In One Solar street lights in 7W, 9W, 12W, 15W, 20W, 25W and 30W models with Li-ion / LiFePO₄ battery, motion sensor and auto dusk to dawn operation
- Integrated Solar street lights in 7W, 9W, 12W, 15W, 20W, 25W, 30W, 50W, 100W LED models with LED, battery and charge controller in IP65 housing

AC STREET LIGHTS

- AC LED Street lights with motion sensor dimming 25W & 50W LED models – Becomes dim if no one is around - Helps in energy saving
- AC LED Street lights with battery backup 25W & 50W LED models – Works during Mains power cut
- Automatic dusk to dawn AC Street light - 25W to 200W LED
- AC Street light / Flood Light / UFO light / RGB flood light

SOLAR CHARGE CONTROLLERS

- MPPT Solar charge controllers from 12V 20A to 240V 50A
- PWM Solar charge controllers from 12V 10A to 240V 40A
- Gen6 MPPT charge controller (200V Voc) - 12V/24V/36V/48V 50A & 75A

AC BATTERY CHARGER

- Universal battery chargers in 5A and 15A rating for LiFePO₄, Li-ion, Lead Acid, Tubular and Gel batteries

SOLAR ROOFTOP POWER PLANTS

- On-Grid and Off-Grid rooftop Solar Power plant EPC service



SMART Street Lights



All In One Solar street light

Complete range of All In One solar street lights is available with MPPT / PWM charge controller

7W - 30W LED



Integrated 2-in-1 type Solar street light

Complete system with Solar panel, LED luminary with in-built battery, mounting structure available

7W - 100W LED



Hybrid Solar Street light (AC + SOLAR)

Enhanced backup for Solar lights with AC power support. Priority solar charging. Offered with MPPT / PWM SCC

7W - 30W LED



Solar LED Street light luminary

12V DC Solar luminaries with in-built MPPT / PWM charge controller and motion sensor

7W - 100W LED



AC Street light with motion sensor dimming

Energy efficient AC lights which can reduce electricity costs up to 60% using intelligent dimming using motion sensor

25W & 50W LED



AC Street light with Battery Backup

AC street lights which keep glowing for up to 3 hrs during power-cuts and works automatically from dusk to dawn

25W & 50W LED





LED Street Lights



AC Street light D2D
Input: 100V - 300V AC 50Hz

AC Street Lights with lens. Wide input voltage. Long product life. Auto dusk to dawn function. With 2 year warranty

25W - 200W LED



AC Flood Light
Input: 100V - 300V AC 50Hz

AC Flood lights with high quality reflector. Multiple power supplies for reliable performance. 2 year warranty

50W - 200W LED



UFO Light
Input: 100V - 300V AC 50Hz

High bay UFO lights with lens. Provides uniform lighting in wide area. Aluminum die cast body for long product life

50W - 200W LED



Slim LED Flood Light
Input: 100V - 300V AC 50Hz

Flood light with slim body. Provides low cost lighting option for open areas including play grounds, construction sites

50W - 200W LED



HIGH BAY LIGHTS
Input: 100V - 300V AC 50Hz

High Bay lights provide uniform lighting and are easy to install. High power LED with CRI 80 and natural cooling

50W - 180W LED



RGB FLOOD LIGHT
Input: 90V - 265V AC 50Hz

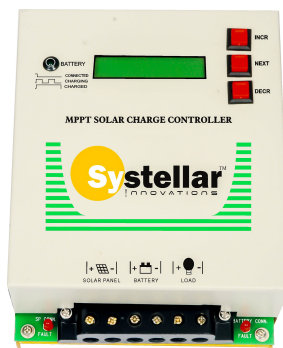
Illuminate any area with color changing RGB flood lights. Easy to operate using remote control

50W, 100W LED





Solar Charge Controller



MPPT Solar Charge Controllers

MPPT Charge controllers with LCD display and DC load control. High efficiency and rugged design.

12V - 48V DC in 20A, 40A, 75A charging current



High Voltage PWM Charge Controllers

HV-PWM charge controllers with LCD display are suitable for charging large battery banks.

60V - 240V DC in 20A & 40A charging current



High Voltage MPPT Charge Controllers

HV-MPPT charge controller provides sophisticated features for commercial applications

60V - 240V DC in 50A charging current



PWM Charge Controllers

PWM-PPL series solar charge controllers provide efficient battery charging for multiple battery types - Li-ion / LiFePO4 / Lead Acid

12V / 24V, 36V, 48V DC in 20A & 40A charging current



Home Lighting Charge Controllers

PWM-HLS Series charge controller provides 4 DC load terminals to run DC load up to 50W

12V DC in 8A charging current



Power Saver Accessory

Can be connected with any Systellar charge controller to convert normal inverter into Solar inverter

Can be used up to 4KVA inverter





Universal Battery Charger

This amazing battery charger gives you the freedom to charge LiFePO₄, Lithium-ion and Lead acid batteries - All In One !! Now no need to keep multiple chargers for battery charging purpose. Just select the type of battery to be charged and let this amazing device do its magic. This microprocessor based charger gives accurate charging with reliable performance.

Available in 5A and 15A maximum charging current models. With 15A model, you can set the maximum charging current with which the battery is allowed to charge. This is especially important for lead acid batteries which come with C/10 battery charging rating.



15A model



5A model

One Charger for all battery types

12V Lead Acid

12V Lead Acid - Gel

14.8V Lithium-ion

11.1V Lithium-ion

12.8V LiFePO₄

Salient Features:

- 100% Made In India product for Indian conditions
- 5A and 15A charging current models available
- LCD display shows battery voltage, charging current & charging status
- User settable maximum charging current in 15A model
- Wide AC Input voltage range (140V - 280V AC 50Hz)
- 4KV Surge protection and Power Factor > 0.95 in 15A model
- Active Power Factor Correction in 15A model
- 3 Stage battery charging for Lead Acid battery
- Accurate End of charge voltage for battery protection
- Rugged product design for long product life
- Insulated battery clamps for enhanced safety against short-circuit



Some of our clients



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