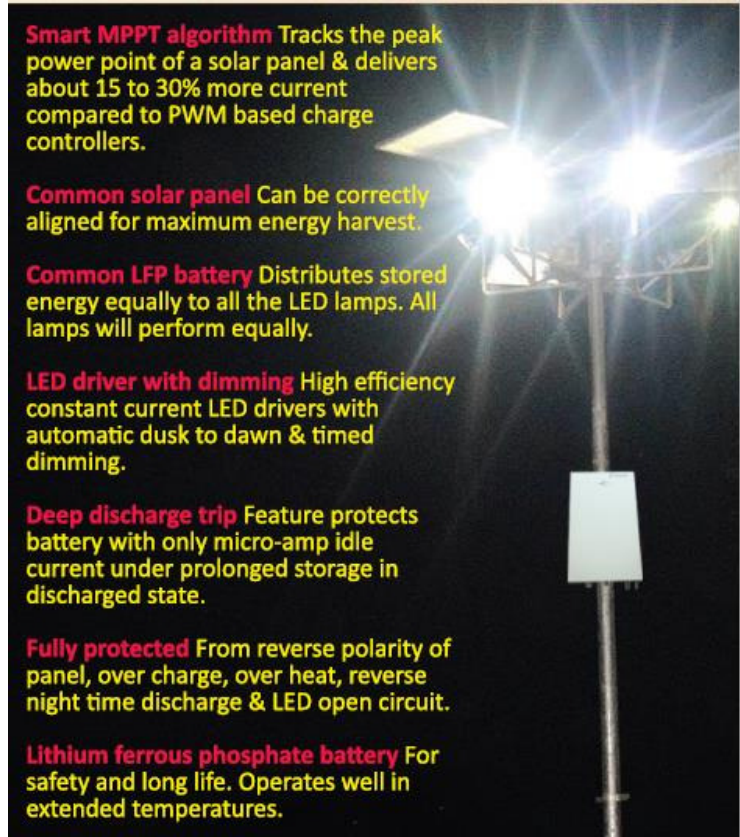


**ECONOMICAL SOLUTION FOR MULTIPLE LAMP HIGH MAST SOLAR STREET LIGHTS**

With Maximum Power Point Tracking (MPPT) algorithm, this is ideal for Lithium Ferrous Phosphate Battery technology.

**SOLAR MPPT CHARGER & LED DRIVER COMPLIES WITH MNRE SPECIFICATION INCLUDES SOLAR PANEL, LFP BATTERY, MPPT CHARGER, LED LAMPS**



**Smart MPPT algorithm** Tracks the peak power point of a solar panel & delivers about 15 to 30% more current compared to PWM based charge controllers.

**Common solar panel** Can be correctly aligned for maximum energy harvest.

**Common LFP battery** Distributes stored energy equally to all the LED lamps. All lamps will perform equally.

**LED driver with dimming** High efficiency constant current LED drivers with automatic dusk to dawn & timed dimming.

**Deep discharge trip** Feature protects battery with only micro-amp idle current under prolonged storage in discharged state.

**Fully protected** From reverse polarity of panel, over charge, over heat, reverse night time discharge & LED open circuit.

**Lithium ferrous phosphate battery** For safety and long life. Operates well in extended temperatures.

**• Features**

- MPPT charging technology
- Automatic dusk to dawn operation
- Automatic dimming control
- Intelligent battery level based dimming
- All electronic protection
- Temperature compensated charging
- Low Idle current
- Driver protected for open circuit
- Automatic battery re-connect
- Auto recovery from battery discharge.
- Compact outdoor model
- Up to 240W LED capability
- Up to 6 LED luminary
- Easy mounting on pole top

**TECHNICAL SPECIFICATION**

Parameter	Range
Solar panel	Mono / Polly crystalline
Panel rating	600Wp max
Panel VOC	49V (max)
MPPT tracking range	34V to 41V
Battery voltage	25.6V (nom)
Battery type	LiFePO4
Charging efficiency	>97% (min)
Idle current	<25mA
Lamp options	6x30W, 6x40W, 4x50W, 2x75W
LED driver type	Constant current
Driver efficiency	>95% (min)
Enclosure	Powder coated MS cabinet suitable for outdoor installation

\*Note: Specification may change as result of continuous improvement of the product. Contact factory for latest update. Picture shown is that of the PCB. Actual model will come in enclosure as specified.