

Solar Street Lighting Systems

FEEL THE DIFFERENCE

MARUTHI's solar street lighting systems are designed to operate as one integrated system. This system includes the power generation, storage and management (solar panels, battery & controller) as well as the light itself, support frame & weatherproof housing. The fully integrated system incorporate the latest and most innovative technologies like PWM(Pulse width modulation) and three stage battery charging to enhance the better battery life, providing years of convenient and trouble free lighting. Maruthi Solar has a wide range of Solar Street lights which includes CFL and LED lamps for different lighting requirements.



Features

- Automatic dusk to dawn / Timer operation
- Highly efficient PWM charge controller and inverter
- Three step charging algorithm
- Temperature compensated battery set points
- Weather proof luminaries
- Adequate protections and indications
- UV stabilized bowl and canopy
- Anodized aluminium reflector

Application

- Rural street light Applications
- Path Lighting
- Holiday Resorts
- Township
- Campus Lighting
- Farm House Lighting
- Railway and Shipyard Lighting

**MNRE
Approved**

Technical Specification

CFL based street lighting Systems

LED based
Street lighting System

Technical details	CFL-11 Watt	CFL-18 Watt	CFL-22 Watt	LED-7Watt	LED-12Watt
SPV Module	1x75Wp	1x100Wp	2x75Wp	1x40Wp	1x60Wp
Battery@C10	12V 75Ah	12V 100Ah	12V 150Ah	12Vx40Ah	12Vx60Ah
Lamp/Wattage	1x11 W	1x18 W	2x11 W	1x6 Watt	1x9 Watt
Lamp Luminosity	1x900 Lumens	1200 Lumens	2x900 Lumens	15 Lux	25 Lux
Daily Usage Capacity	Dusk to dawn	Dusk to dawn	Dusk to dawn	Dusk to dawn	Dusk to dawn
Storage Autonomy	4 Days	4 Days	4 Days	4 Days	4 Days
PWM Charge Controller	6 Amps	10 Amps	10 Amps	6 Amps	6 Amps
Pole, Battery Box and Mounting Structure	4.5 Mtr Galvanised/ MS with Powder Coated	4.5 Mtr Galvanised/ MS with Powder Coated	4.5 Mtr Galvanised/ MS with Powder Coated	4.5 Mtr Galvanised/ MS with Powder Coated	4.5 Mtr Galvanised/ MS with Powder Coated

Data subject to change due to continuous improvement.