

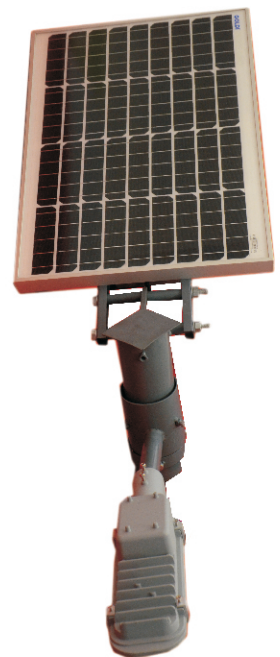


LiPO4 Solar Street Light



Technical Sillent Features

- Implemented MPPT based Solar Charger
- High efficiency SMPS Charger
- Optimized Discharging Method to increase battery life
- Periodic Equalization loop for fully charging the Individual cells
- Active Balancing Circuit to balance individual cells
- Inbuilt Monitoring of Individual Cells
- Temperature Compensated Profiles for Charging and Discharging
- Implements a low battery disconnect feature to prevent the battery from discharging below a Certain Charge State
- Dusk to Dawn Operation



Technical Specifications

SYSTEM WATTAGE(LED + DRIVER)	9W	12W	15W	20W
SYSTEM OUT PUT	1800 Lumens	2400 Lumens	3000 Lumens	4000 Lumens
LED LEVEL EFFICIENCY	200 Lumens/Watt Osram LED			
LED LIFE	50,000 Hours			
DRIVER EFFICIENCY	85%			
DRIVER TYPE	DC-DC			
DRIVER LIFE	2YEARS WARRANTY			
HOUSING	IP 65 ALUMINIUM DIE-CAST HOUSING, IP66			
LUMINAIRE ARM	Powder Coated			
SOLAR PANEL				
CAPACITY	30 Wp	40 Wp	60 Wp	75 Wp
SOLAR CELLS	POLYCRYSTALLINE SILICON CELSS			
SOLAR CELL EFFICIENCY	13.50%			
JUNCTION BOX	IP65, IP66			
MOUNTING FRAME	Powder COATED			
COUNTRY OF MANUFACTURER	INDIA			
BATTERY AND BATTERY BOX				
CAPACITY	12.8V 10Ah LiFePo4 Battery	12.8V 14Ah LiFePo4 Battery	12.8V 18Ah LiFePo4 Battery	12.8V 24Ah LiFePo4 Battery
TYPE	Lithium Ferrous Phosphate Battery			
PERMITTED DEPTH OF DISCHARGE	70%			
BATTERY BACKUP	12 HOURS			
MOUNTING POSITION	IN BUILT BOX WITH P.V. PANEL STRUCTURE			
BATTERY BOX MATERIAL &				
PROTECTION	M.S. SHEET WITH POWDER COATED 1 mm THK.			
CHARGE CONTROLLER				
TYPE	MPPT Based			
RATING	12.8V NOMINAL, LOAD 2.1A MAX.SMPS FOR LED LOAD.			
EFFICIENCY	95%			
POLE(optional)				
TYPE	MS GALVANIZED POLE/ OCTAGONAL GALVANIZED POLE			
HEIGHT	5 MTRS Above ground			
WIND SPEED RESISTANCE	170 kmph			
SYSTEM REQUIREMENTS				
DUTY CYCLE	4 Hrs Full and 8 hrs 50% dimming			

Our Other Power Product

								
Servo Stabilizer	Power Guard	Solar Home UPS	Solar I.P.S & MPPT	Grid Tie Inverter	Grid Sharing UPS	Solar Generator	Street Light	Online UPS

Protect Solar Charge Controller from direct Sunlight & Water.

Panel open circuit voltage should not to do be more than specified voltage

*Specification are subject to change without prior notice due to constant improvement in design & technology.

[Authorised Dealer](#)



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