

Technical Specification

Model No.	6W LED	12W LED	20W LED	30W LED	60W LED
Physical Parameters					
Power of PV Modules (W)	25Wp	40Wp	60Wp	75Wp	150Wp
Lithium Battery capacity (1 Day)	Li-ion 11.1/6.6Ah Li-FePO4 12.8V/6Ah	Li-ion 11.1/13Ah Li-FePO4 12.8V/12Ah	Li-ion 11.1/24.2Ah Li-FePO4 12.8V/20Ah	Li-ion 11.1/32Ah Li-FePO4 12.8V/30Ah	Li-ion 11.1/63.8Ah Li-FePO4 12.8V/54Ah
Lithium Battery capacity (2 Days)	Li-ion 11.1/10.4Ah Li-FePO4 12.8V/12Ah	Li-ion 11.1/19.8Ah Li-FePO4 12.8V/18Ah	Li-ion 11.1/33Ah Li-FePO4 12.8V/30Ah	Li-ion 11.1/48.4Ah Li-FePO4 12.8V/42Ah	Li-ion 11.1/96.2Ah Li-FePO4 12.8V/81Ah
PIR Sensor	Provided				
Dimensions of Products (mm)	520(l)*340(w)*55(h)	775(l)*340(w)*55(h)	1060(l)*340(w)*55(h)	1280(l)*340(w)*55(h)	1710(l)*560(w)*43(h)
Driver parameter					
Charge Controller Type	PWM/MPPT				
LED Driver Efficiency	>90%				
LED Light Operating Voltage Range	Li-ion 9.6V - 12.6 v, Li-FePO4 11.1V-14.4V				
Light Parameters					
Light Output (W)	6W	12W	20W	30W	60W
Colour Temperature	5500K-6500K		5700K		
Typical Luminous Flux(Lm)	600	1200	2000	3750	7500
Mounting Recommendations					
Top of Pole or Tendon OD(mm)	40mm-46mm	70mm-76mm			
Recommended Installation Height (mtr)	5mtr		5 mtr - 6 mtr		6 mtr - 8 mtr
Recommended Installation Distance (mtr)	5mtr - 10mtr		15mtr - 20mtr		20mtr - 30mtr 30mtr - 40mtr
Protection Provided					
All in One Protections	Battery Deep Discharge Protection, Over Charge Protection, Load Open Protection, Charging & Battery Indication, Reverse Current Flow Protection, Temperature Compensation, Short-Circuit Protection				
Operations					
All in One Operations	Full bright mode: First 4 hrs, afterwards light output will be 33% & motion sensation for detection of motion, if any motion is detected within 12M then light will glow with full brightness for 2 mins, afterwards power output will reduce to				
Packing Parameters					
Dimension of Carton(LxWxH)	600(L)x440(W)x110(H)	920(L)x580(W) x150(H)	1120(L)x640(W) x150(H)	1240(L)x640(W) x150(H)	1905(L)x650(W) x150(H)
Gross weight of product (Kg)	7.5Kg	13.5kg	21kg	25kg	34.5kg

EFFICIENT OPTICAL CONTROL

Luminosity is the light output from a lamp. A small lamp producing a lot of light results in greater brightness and consequent glare when looked at directly. Solar LED street lighting on the other hand consists of multiple light producing points thus reducing glare, also with the right type of secondary optics we can get precise distribution.

Unique peanut optics with bat wing profile ensures high efficiency & light uniformity across and along the road. Since all the light is directed downward, there is therefore no need to use reflectors to direct light downward. The consequent loss in light output due to limitations on reflector efficiency is avoided.