



Technical Specifications: All In One Solar Street Light

Model No.	40W LED	50W LED	60W LED
Physical Parameters			
Power of PV module (W)	100Wp	120Wp	150Wp
Lithium Battery Capacity (1 Day - 1.5 Days)	Li-ion 11.1V/44.2AH Li-FePO4 12.8V/36AH	Li-ion 11.1V/52AH Li-FePO4 12.8V/45AH	Li-ion 11.1V/63.8AH Li-FePO4 12.8V/54AH
Lithium Battery Capacity (2 Days)	Li-ion 11.1V/63.8AH Li-FePO4 12.8V/54AH	Li-ion 11.1V/85.8AH Li-FePO4 12.8V/69AH	Li-ion 11.1V/96.2AH Li-FePO4 12.8V/81AH
PIR Sensor	Provided	Provided	Provided
Net Weight of Product (Kg)	25kg	27.5kg	32kg
Dimension of Product (mm)	1350(L)x 560 (W)x 43(H)	1350(L)x 560(W) x 43(H)	1710(L)x 560(W) x 43(H)
Driver Parameters			
Charge Controller Type	PWM/MPPT	PWM/MPPT	PWM/MPPT
LED Driver Efficiency	>90%	>90%	>90%
Light Parameters			
Colour Temperature	5700K	5700K	5700K
Typical Luminous Flux (Lm)	5000	6250	7500
Light backup Time (1 Day - 1.5 Days)	15Hr-16Hr	15Hr-16Hr	15Hr-16Hr
Light backup Time (2 Days)	23Hr-24Hr	23Hr-24Hr	23Hr-24Hr
Packing parameters			
Dimension Of carton	1545(L)x650(W)x150(H)	1545(L)x650(W)x150(H)	1905(L)x650(W)x150(H)
Gross Weight of Product (Kg)	28kg	30kg	34.3kg
Mounting Recommendations			
Top of Pole OD (mm)	70mm-76mm	70mm-76mm	70mm-76mm
Recommended Installation Height (Mtr.)	6Mtr.-8Mtr.	6Mtr.-8Mtr.	6Mtr.-8Mtr.
Protection Provided			
All In One Protections	Battery deep discharge protection, Over charge protection, Load open Protection, Charging and battery indication, Reverse current flow protection, Temperature compensation, Short circuit protection		
All In One Operation	Light will glow in full bright mode for first 4Hrs., After 4Hrs. Light will Dim to 33% power and motion sensor will activate for detection of motion. If any motion is detected in 12M area around the Light, then it will glow in full mode for 2min., After that it will again come to 33% Power.		

Note: Subject to errors and technical modifications within the scope of product improvement