

Technical Specifications: All In One Solar Street Light: Polaris Model

Model No.	9W LED	12W LED	15W LED
Physical Parameters			
Power of PV module (W)	40Wp	40Wp	40Wp
Lithium Battery Capacity (1 Day)	Li-ion 11.1V/11AH Li-FePO4 12.8V/10AH	Li-ion 11.1V/13AH Li-FePO4 12.8V/12AH	Li-ion 11.1V/15AH Li-FePO4 12.8V/15AH
Lithium Battery Capacity (2 Days)	Li-ion 11.1V/15.4AH Li-FePO4 12.8V/12AH	Li-ion 11.1V/19.8AH Li-FePO4 12.8V/18AH	Li-ion 11.1V/23.4AH Li-FePO4 12.8V/20AH
PIR Sensor	Provided	Provided	Provided
Dimensions of Product (mm)	775(L) x 340(W) x 55 (H)	775(L) x 340(W) x 55 (H)	775(L) x 340(W) x 55 (H)
Driver Parameters			
Charge Controller Type	PWM/MPPT	PWM/MPPT	PWM/MPPT
LED Driver Efficiency	>90%	>90%	>90%
LED Light Operating voltage range	Li-ion 9.6V-12.6V Li-Fepo4 11.1V-14.4V	Li-ion 9.6V-12.6V Li-Fepo4 11.1V-14.4V	Li-ion 9.6V-12.6V Li-Fepo4 11.1V-14.4V
Light Parameters			
Light Output (W)	9	12	15
Colour Temperature	5500K-6500K	5500K-6500K	5500K-6500K
Typical Luminous Flux (Lm), Model -A	900	1200	1500
Typical Luminous Flux (Lm), Model -B	1080	1440	1800
Typical Luminous Flux (Lm), Model -C	1350	1800	2250
Light backup Time (1Day - 1.5 Day)	17Hr-18Hr	16Hr-17Hr	14Hr-15Hr
Light backup Time (2 Day)	23Hr-24Hr	23Hr-24Hr	23Hr-24Hr
Packing parameters			
Dimension of Packing Box	980(L) X 400(W) X 150(H)	980(L) X 400(W) X 150(H)	980(L) X 400(W) X 150(H)
Gross Weight of Product (Kg)	12.6Kg	13.4Kg	14.5Kg
Net Weight of Products (Kg)	9kg	10kg	12kg
Mounting Recommendations			
Top of Pole or Tendon OD (mm)	70mm-76mm	70mm-76mm	70mm-76mm
Recommended Installation Height (M)	5M	5M	5M
Recommended Installation Distance (M)	10m-15m	10m-15m	10m-15m
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		
Operation			
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 2 min. After that it will again come to 33% power		