

Technical Specifications: All In One Solar Street Light: Polaris Model			
Model No.	20W LED	25W LED	30W LED
Physical Parameters			
Power of PV module (W)	60Wp	75Wp	75Wp
Lithium Battery Capacity (1 Day)	Li-ion 11.1V/24.2AH Li-FePO4 12.8V/20AH	Li-ion 11.1V/26AH Li-FePO4 12.8V/24AH	Li-ion 11.1V/32AH Li-FePO4 12.8V/30AH
Lithium Battery Capacity (2 Days)	Li-ion 11.1V/33AH Li-FePO4 12.8V/30AH	Li-ion 11.1V/39AH Li-FePO4 12.8V/36AH	Li-ion 11.1V/48.4AH Li-FePO4 12.8V/42AH
PIR Sensor	Provided	Provided	Provided
Dimensions of Product (mm)	1060 (L) x 340 (W) x 55 (H)	1280 (L) x 340 (W) x 55 (H)	1280 (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)	20	25	30
Colour Temperature	5500K-6500K	5500K-6500K	5500K-6500K
Typical Luminous Flux (Lm), Model -A	2000	2500	3000
Typical Luminous Flux (Lm), Model -B	2400	3000	3600
Typical Luminous Flux (Lm), Model -C	3000	3750	4500
Light backup Time (1Day - 1.5 Day)	17Hr-18Hr	15Hr-16Hr	15Hr-16Hr
Light backup Time (2 Day)	23Hr-24Hr	23Hr-24Hr	23Hr-24Hr
Packing parameters			
Dimension of Packing Box	1265(L) X 400(W) X 150(H)	1485(L) X 400(W) X 150(H)	1485(L) X 400(W) X 150(H)
Gross Weight of Product (Kg)	20.8kg	23Kg	25Kg
Net Weight of Products (Kg)	15kg	19kg	22kg
Mounting Recommendations			
Top of Pole or Tendon OD (mm)	70mm-76mm	70mm-76mm	70mm-76mm
Recommended Installation Height (M)	5M - 6M	6M	6M
Recommended Installation Distance (M)	15m-20m	20m-30m	20m-30m
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		