

Technical Specifications: All In One Solar Street Light: Polaris Model	
Model No.	18W LED
PHYSICAL PARAMETERS	
Power of PV module (W) (1 Day)	50W
Lithium Battery Capacity(1 Day)	Li-ion 11.1V/19.8AH Li-FePO4 12.8V/18AH
Power of PV module (W) (2 Days)	60W
Lithium Battery Capacity(2 Days)	Li-ion 11.1V/15.4AH Li-FePO4 12.8V/12AH
PIR Sensor	Provided
Dimensions of Product (mm)	920L) x 340(W) x 60 (H)
DRIVER PARAMETERS	
Charge Controller Type	PWM/MPPT
LED Driver Efficiency	>90%
LED Light Operating voltage range	Li-ion 9.6V-12.6V Li-Fepo4 11.1V-14.4V
LIGHT PARAMETERS	
Light Wattage	18
Color Temperature	5500K-6500K
Typical Luminous Flux (Lm), Model -A	1800
Typical Luminous Flux (Lm), Model -B	2160
Typical Luminous Flux (Lm), Model -C	2700
PACKING PARAMETERS	
Dimension of Packing Box	1110(L) X 425(W) X 150(H)
Gross Weight of Product (Kg)	16.8Kg
Net Weight of Products (Kg)	13.5kg
Top of Pole or Tendon OD (mm)	70mm-76mm
Recommended Installation Height (M)	5M-6M
Recommended Installation Distance(M)	10M-15M
Protection Provided	
All In One Protections	Battery Low,Battery Over Charge,Battery Deep Discharge,Solar Panel Reverse Connection, Reverse Panel Current Flow,Battery Wire Reverse,Load Short,Load open.
Operation	
All In One Operation	<p>Mode 1 - Light will glow in the full bright mode for the first 4Hrs, After 4Hrs. Light will Dim 33% power and motion sensor will activate for the 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.</p> <p>Mode 2 - Light turns ON in full mode for first 2min, after 2min, if there is any motion, Light will continue in full bright mode else it will dim to 33% power</p>