

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) (1 Day)	60W	75W	75W
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
Power of PV module (W) (2 Days)	75W	100W	100W
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/48.5AH Li-FePO4 12.8V/42AH
PIR Sensor	Provided	Provided	Provided
Dimensions of Product (mm)	1060(L) x 340(W) x 60(H)	1280(L) x 340(W) x 60(H)	1280(L) x 340(W) x 60(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 Wattage	20	25	30
Color 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
PACKING PARAMETERS			
Dimension of Packing Box	1250(L) X 425(W) X 150(H)	1470(L) X 425(W) X 150(H)	1470(L) X 425(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	65M
Recommended Installation Distance (M)	15M-20M	20M-30M	20M-30M
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	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. 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		