



Cylindrical Panel

110/135W

SOLAR STREET LAMP



Light Weight
Shingling tech.,
2/3 lighter than conventional solar panels.



High Reliability
Wide range of working temperature



Modular Design
It can be combined and matched
arbitrarily and is convenient to install



Aesthetic Apperance
Integrated to lamp pole



Customized
Provide Customized Service



Off-grid
No cabling or grid connection
needed



Stable Power Supply
Cylindrical shape, free from dust or
snow covering. Low maintenance,
high reliability.



**Modular Design
& High Efficiency**
Mono-crystalline cell used,
modular design, easy installation.



Weather Proof
Wind-resistance, waterproof



Smart City Connectivity
Smart city applications can easily be
connected. 4G, 5G, Wifi, IoT sensors.



Integrated To Lamp Pole
Aesthetic apperance, fully integrated
to the lamp pole

Quality system: ISO 9001



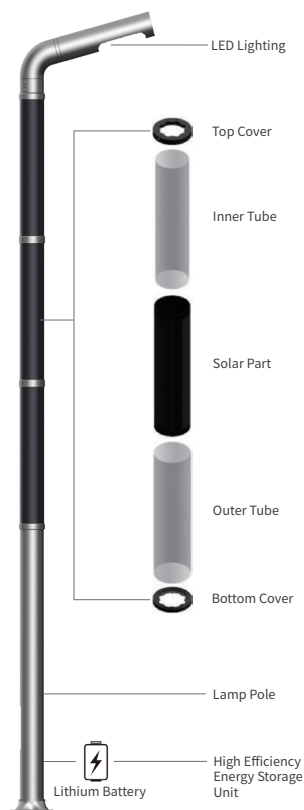
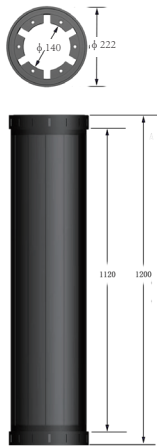
Linear power warranty

25 YEAR

Linear Power
Warranty

12 YEAR

Product
Warranty



Examples



Off-grid



Without tools



Wind-resistance upto 60m/s

Electrical Characteristics(STC)

ITEM	HMN-LA-110	HMN-LA-135
Maximum Power (Pmax)	110W	135W
Maximum Power Voltage(Vmp)	18.9V	33.4V
Maximum Power Current(Imp)	6.04A	4.11A
Open-circuit Voltage(Voc)	23.0V	40.2V
Short-circuit Current(Isc)	6.45A	4.37A
Working Humidity	0%-60%	
Operating Temperature	-40 °C to 85 °C	
STC:Irradiance 1000W/m ² , module temperature 25°C , AM=1.5		

Mechanical Characteristics

Solar Cell	Monocrystalline silicon cell	
Dimensions	226*226*1100mm	226*226*1350mm
Weight	20kg	28kg
Structure	Protective shell+Flexible solar module	
Diameter	R222mm	r140mm
Color	Black	

Temperature Characteristics

NOCT(Nominal Operating Cell Temperature)	41 ± 2°C
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.020%/°C

Parameters

Model			
Type/s	HMN-A-01	HMN-A-02	HMN-A-03
LED Lighting	30W	50W	80W
Battery	12V/40AH (3days 8h/day)	12V/60AH (5days 8h/day)	12V/100AH (7days 8h/day)
LED Working Life	3000K-5700K(> 50000h)		
Controller	MPPT Intelligent electronic control		
Operating Temperature	-40 °C to 85 °C		



<http://sunplus-jp.com>



info@sunplus-jp.com

サンプラスエナジー株式会社 SUNPLUS ENERGY Co.,Ltd.