



## 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 Appearance**  
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.



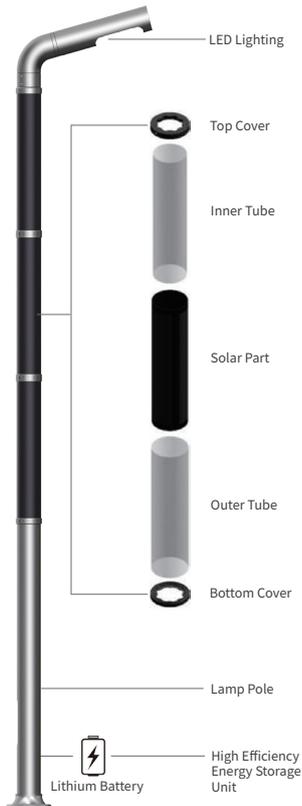
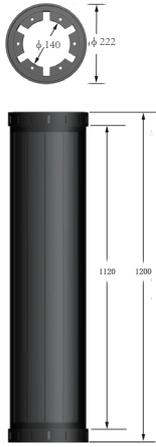
**Integrated To Lamp Pole**  
Aesthetic appearance, fully integrated  
to the lamp pole



Linear power warranty

**25** YEAR Linear Power  
Warranty

**12** YEAR Product  
Warranty



## Examples



Off-grid



Without tools



Wind-resistance up to 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<sup>2</sup> , 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	HMN-A-01	HMN-A-02	HMN-A-03
Type/s			
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		



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