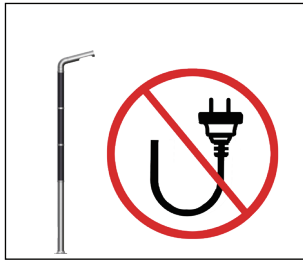
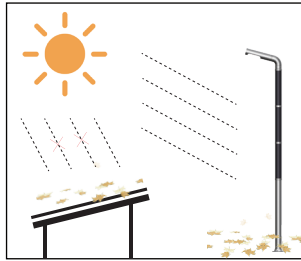


Product Advantages



Off-grid

No cabling or grid connection needed



Stable Power Supply

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



Weather Proof

Wind-resistance, waterproof



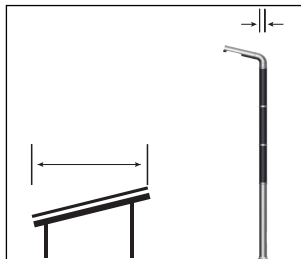
Smart City Connectivity

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



Modular Design & High Efficiency

Mono-crystalline cell used, modular design, easy installation.



Integrated To Lamp Pole

Aesthetic appearance, fully integrated to the lamp pole

Examples



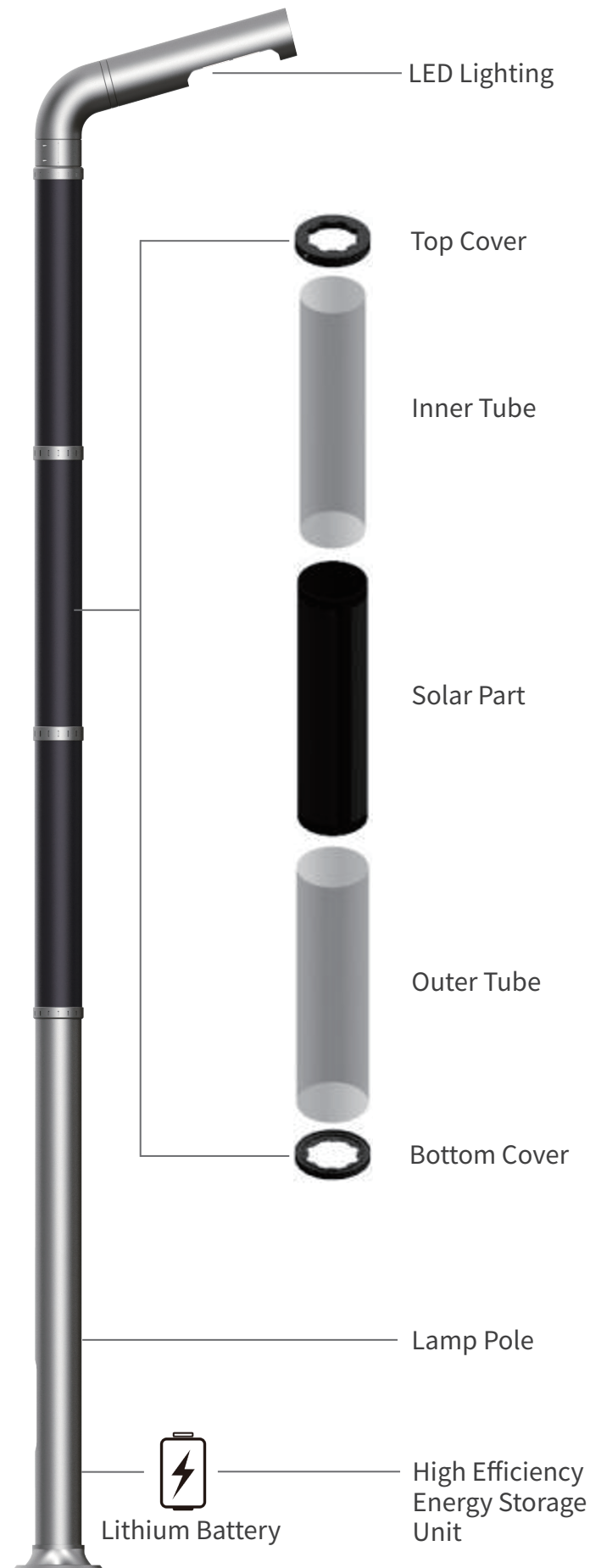
Off-grid






Without tools



Wind-resistance upto 60m/s



Parameters

MODEL			
Module type/s	HMN-A-120-01	HMN-A-120-02	HMN-B-120-03
LED Lighting	Up to 20W	Up to 30W	Up to 50W
Battery	12V/ 40AH (At least 3 nights 8h/night)	12V/ 60AH (At least 3 nights 8h/night)	12V/ 100AH (At least 3 nights 8h/night)
	Customized Available		
Color Temperature (LED Working Life)	3000K-5700K (>50000h)		
Controller	MPPT technology		
Surface Treatment	Metal powder electrostatic spraying (plastic spraying)		
Water Proof	≥IP65		
Working Temperature	-40° C~+ 85° C		

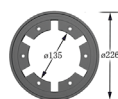
Technical specification of Solar Part

Parameters

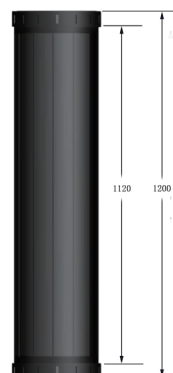
Cell type	Monocrystalline silicon
Power	120 W
Isc	6.40 A
Voc	24.96V
Imp	5.68 A
Vmp	21.13V

Structural

Size	226*226*1220mm
Diameter	R226mm, r135mm
Structure	Protective Shell + Flexible Solar Module
Weight	22.1 kg
Color	Black
Operation Temp.	-40° C~+85° C
Operation Humidity	0% ~80%



Excellent Appearance
Integrated to lamp pole



High Reliability
Wide range of working temperature



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



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

Apply for Street lamp, landscape light, monitor camera, 5G



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