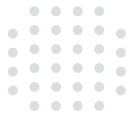




PORTABLE SOLAR POWER SYSTEM

20W/40W/60W



PRODUCT OVERVIEW

Versatility

It's typically feature multiple charging interfaces, allowing them to accommodate various devices such as smartphones, tablets, digital cameras, GPS navigators, and more. Some models may also include additional features such as LED lighting, USB ports, or DC output, providing additional charging and usage options.

Renewable Energy

It utilize sunlight to generate electricity, making them a renewable energy source. By harnessing solar power instead of relying on traditional grid electricity or fossil fuel-based generators, solar power banks reduce reliance on non-renewable energy sources and contribute to environmental sustainability by reducing pollution and combating climate change.

Independence

It's operate independently, without the need for external power sources. In outdoor activities, camping, hiking, or during emergencies, they provide a self-sufficient power solution. By simply placing the solar power bank in sunlight, it can charge and provide power to mobile devices without relying on the grid or electrical outlets.





PRODUCT DETAILS



MULTIFUNCTION IN ONE SYSTEM





PRODUCT ADVANTAGES



Large Capacity Is More Durable

Upgraded high-capacity, 365 days of range with recharge and discharge protection.



Fast Charging Efficiency

High quality solar panel, up to 20% of conversion efficiency full charge in about 6-8 hours.



High Quality LED Bulb

LED emergency light bulb Rechargeable Solar Emergency LED Bulb. Suitable for camping, fishing, hiking, picnic, barbecue, night market stalls, warehouses, stadiums, factories, markets, industrial areas, etc.



BATTERY SPECIFICATION



DesignLife	6-8 years		
Nominal Voltage	3.2V		
Nominal Capacity	12AH	18AH	24AH
Self-Discharge			
3% of capacity declined per month at 20°C(average)			
Operation Temperature Range			
Discharge	-20~60°C		
Charge	-10~60°C		
Storage	-20~60°C		
Max.Discharge Current 77°F(25°C)	100A(5s)		
Short Circuit Current	50A		

BATTERY GUARANTEE OF QUALITY

Battery Cells



High-end battery cells keep every cell's voltage, resistance, capacity, discharging always in sync.

Battery Protector



High precision IC keep performance more stable protect over load, over charge, over discharge, short circuit, over voltage, over current keep battery pack always safe and long life span.

Precision Welding Machine



Fully automatic precision welding machine can ensure that every battery can be welded firmly to prevent the danger of short circuit or power failure.

Aging Test Machine



every battery pack need to thorough charging and discharging test by the aging test machine to keep 100% qualified.



SOLAR PANEL SPECIFICATION



Specifications

Peak Power(Pmax)	12/18/28
Maximum Power Voltage(Vmp)	6
Maximum Power Current(Imp)	2/3/4.67
Open Circuit Voltage(Voc)	10.13
Short Circuit Current(Isc)	2.17/3.17/4.84
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.400%
Voc Temperature Coefficients(V/°C)	-0.300%
Isc Temperature Coefficients(A/°C)	+0.060%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40~+85
Standard Test Condition(STC)	1000W/m²;AM 1.5;25+/-2°C

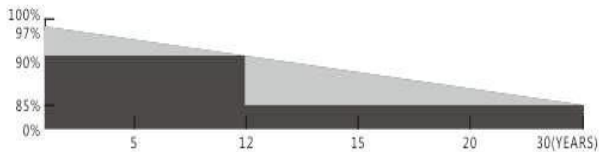
Mechanical characteristics

Dimensions	350*262*18mm
	344*334*18mm
	504*340*18mm
Frame	Anodized Aluminium Alloy
Junction box	IP65 Rated

Product Standard

Product Performance	IEC61215
Product Safety	IEC61730

Linear Performance Warranty



12
YEARS

Guarantee on product material and workmanship

30
YEARS

Linear Power output warranty

Key Features



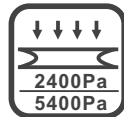
5 Busbar Cell:
5 Busbar Solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance making it perfect for rooftop installation and application



High Efficiency
High Module conversion efficiency, through innovative manufacturing technology



Low-Light Performance
Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments



Serve Weather Resilience
Certified to withstand: wind load(2400Pa) and snow load (5400Pa)



Durability against extreme environmental conditions
High salt mist and ammonia resistance certified by TUV



0~+5W Positive Tolerance
Detailed information in Electrical Specifications

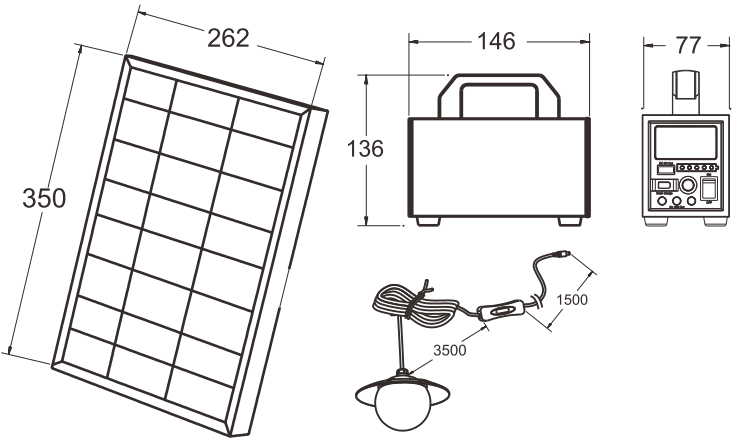


PRODUCT SPECIFICATION

Model	0285A20-01
LED Bulb	5W*3PCS 6000K
Host LED	3014 LED 18PCS 6000K
Solar Panel	6V 12W, Polycrystalline
Battery Type	LiFePO4 3.2V 12AH
Charging Time	6-8 hours
USB Output	5V 2.5A 1PCS
Material	PVC+PC
System Host Size	146*77*136mm
Solar Panel Size	350*262*18mm
Warranty	3 Years

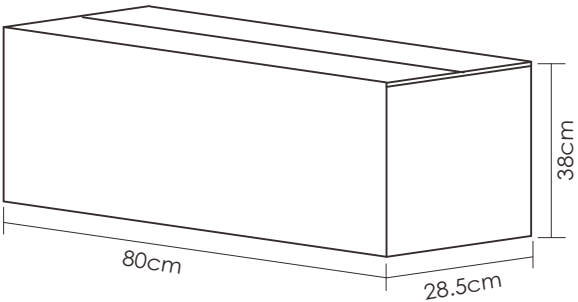
0285A20-01 20W

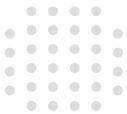
Unit: mm



PACKAGING SPECIFICATION

P/N	Power	Packing Size (CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)
		L	W	H			
0285A20-01	20W	80.00	28.50	38.00	5	0.0866	17.30



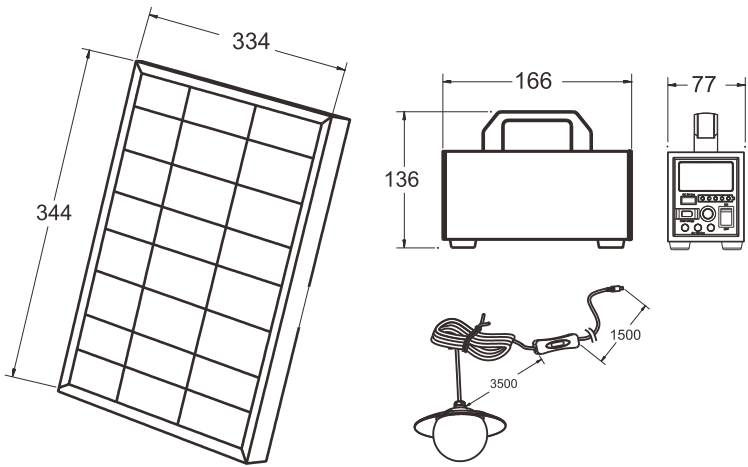


PRODUCT SPECIFICATION

Model	0285B40-01
LED Bulb	5W*3PCS 6000K
Host LED	3014 LED 18PCS 6000K
Solar Panel	6V 18W, Polycrystalline
Battery Type	LiFePO4 3.2V 18AH
Charging Time	6-8 hours
USB Output	5V 2.5A 1PCS
Material	PVC+PC
System Host Size	166*77*136mm
Solar Panel Size	344*334*18mm
Warranty	3 Years

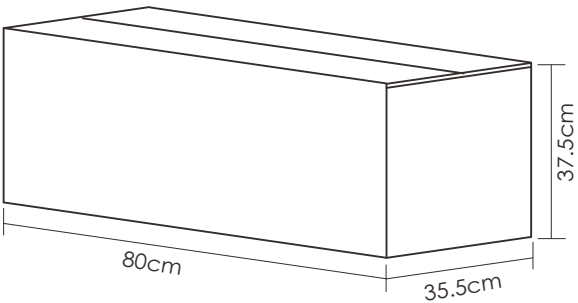
0285B40-01 40W

Unit: mm



PACKAGING SPECIFICATION

P/N	Power	Packing Size (CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)
		L	W	H			
0285B40-01	40W	80.00	35.50	37.50	5	0.1065	18.50



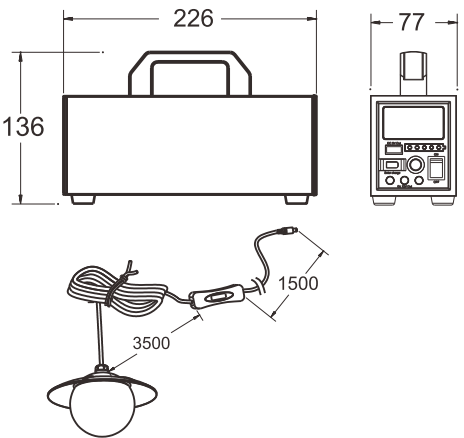
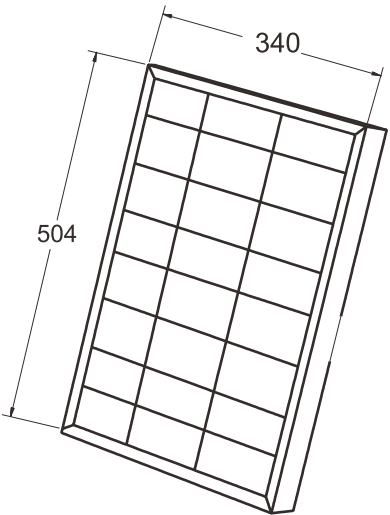


PRODUCT SPECIFICATION

Model	0285C60-01
LED Bulb	5W*3PCS 6000K
Host LED	3014 LED 18PCS 6000K
Solar Panel	6V 28W, Polycrystalline
Battery Type	LiFePO4 3.2V 24AH
Charging Time	6-8 hours
USB Output	5V 2.5A 1PCS
Material	PVC+PC
System Host Size	226*77*136mm
Solar Panel Size	504*340*18mm
Warranty	3 Years

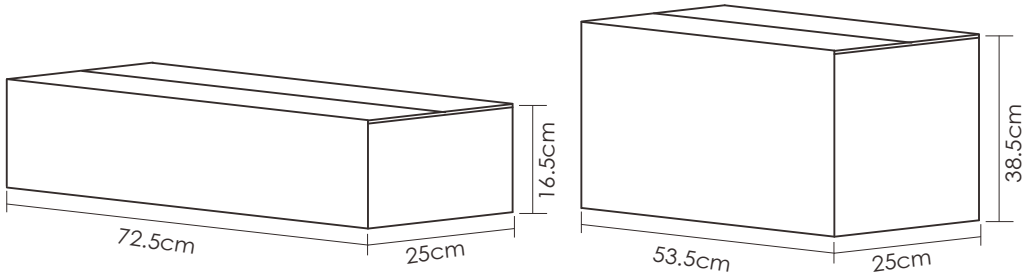
0285C60-01 60W

Unit: mm



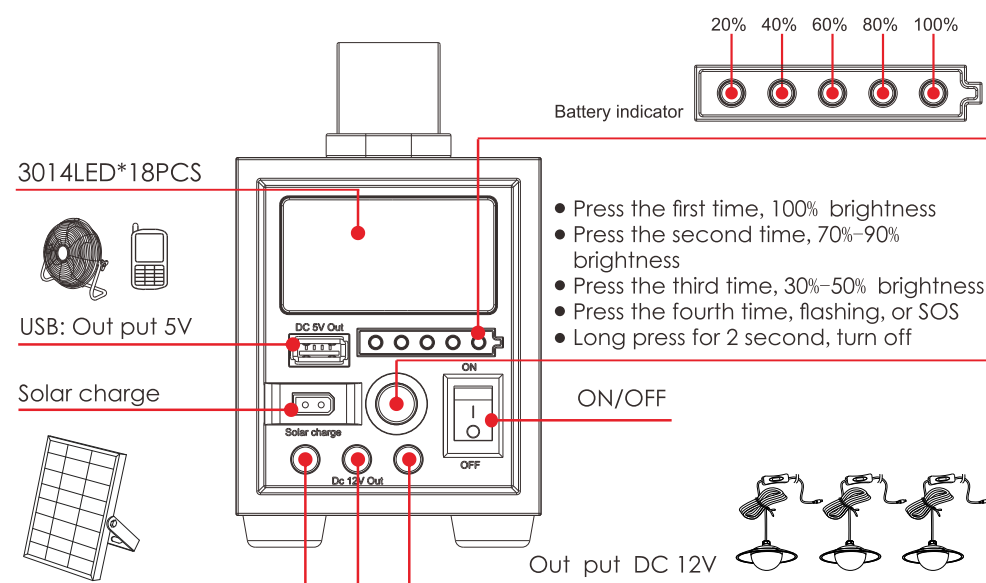
PACKAGING SPECIFICATION

P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)	
		L	W	H				
0285C60-01	60W	72.00	25.00	16.50	5	0.0299	10.50	System body
		53.50	25.00	38.50	5	0.0515	15.00	Solar panel



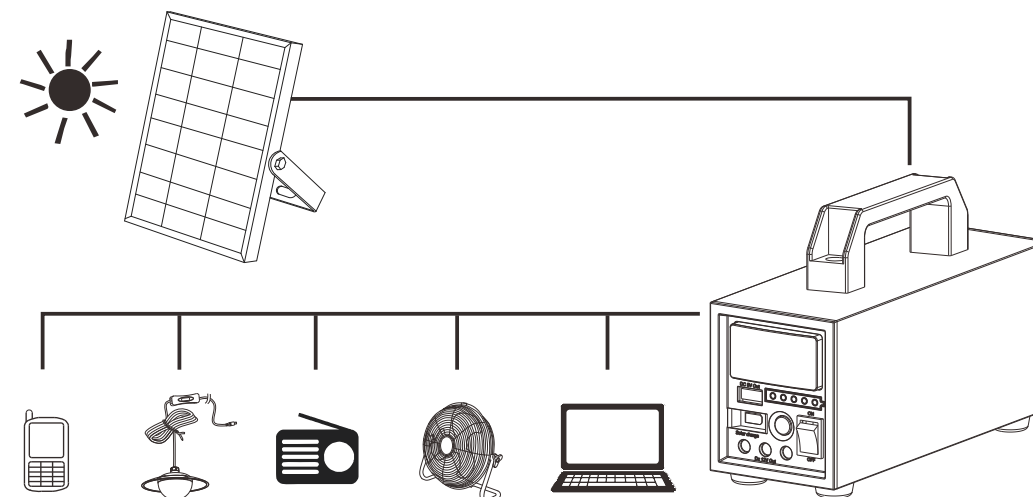


USER MANUAL



Note:

1. Avoid direct sunlight;
2. Avoid overheating;
3. Avoid moisture and contact with liquids;
4. Avoid dust.



Warning

- It is strictly forbidden to dismantle the product, and do not short-circuit the output of the product.
- If the product emits peculiar smell, heat and other abnormal conditions during charging or storage, please stop charging immediately, and place it in an open place to observe the plug from a distance. After confirming safety, contact the manufacturer or dealer.



APPLICATION

