



PORTABLE **40W** SOLAR POWER SYSTEM



Overcharge
protection



Over discharge
protection



Multi
Protection



Overcurrent
protection



Easy
to Carry



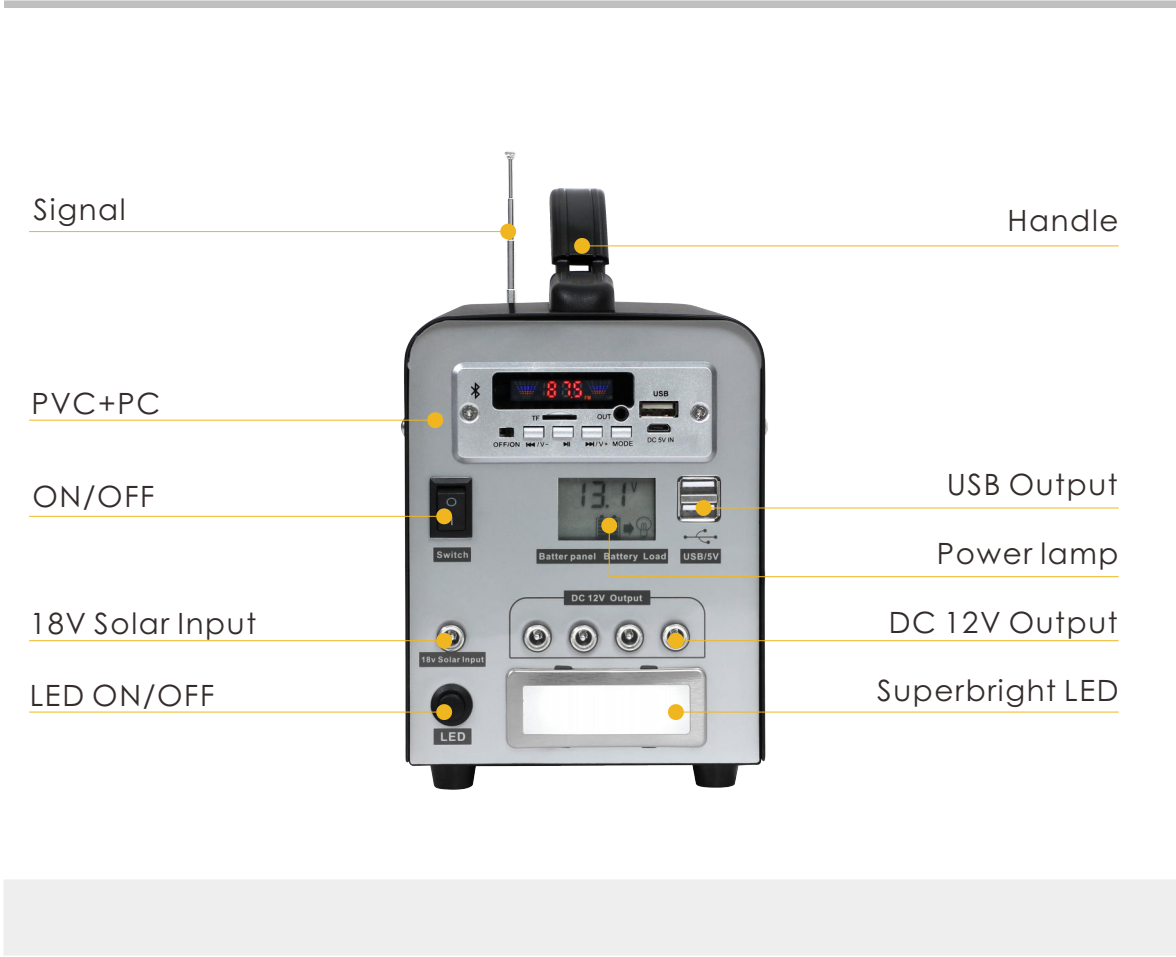
Environmental

PRODUCT OVERVIEW

- LED solar home system is an off-grid solar generator designed to provide stable and reliable power to homes and communities or areas without or even electricity without access to grid power.
- The small solar system is characterized by convenient movement, easy installation, and reliable performance, which is very suitable for situations requiring emergency power.
- Uses industrial master chip, large LCD display, built-in over current, short circuit protection, open circuit protection, reverse connection protection, all self-recovery, no damage to the controller.



PRODUCT DETAILS

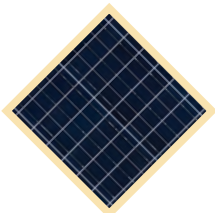


MULTIFUNCTION IN ONE SYSTEM

Complete 3-stage PWM charging management, dual USB maximum current 2.5a, support various brands of mobile phone charging, 4 DC12v ports, to meet various needs. With radio/Bluetooth /U disk and other playback functions, it can meet daily needs.



PRODUCT DETAILS



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.



High Quality LED Bulb

Fast Charging Efficiency

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



Large Capacity Is More Durable

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

BATTERY SPECIFICATION



Design Life	6-8 years
Nominal Voltage	12.8V
Nominal Capacity	14Ah
Self-Discharge	
Approx. 3% 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 (for 5 seconds)
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.

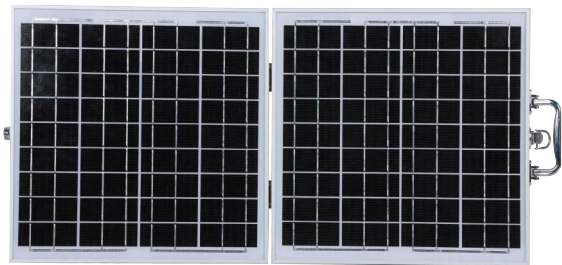
Precision Welding Machine

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)	30W
Maximum Power Voltage(Vmp)	18V
Maximum Power Current(Imp)	1.67A
Open Circuit Voltage(Voc)	22.13V
Short Circuit Current(Isc)	1.75A
Power Tolerance	0 ~ +3%
Pmax Temperature Coefficients(W/°C)	-0.400%/ °C
Voc Temperature Coefficients(V/°C)	-0.300%/ °C
Isc Temperature Coefficients(A/°C)	+0.060%/ °C
NOCT Nominal Operating Cell Temperature(°C)	45 ± 2 °C
Operating & Storage Temperature	-40 ~ +85°C
Standard Test Condition(STC)	1000W/m², AM 1.5, 25 ± 2

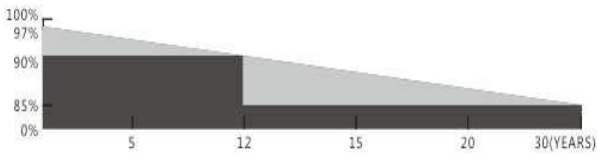
Mechanical characteristics

Dimensions	700*350*25mm
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



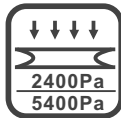
5 Busbar Cell:
5 Busbar Solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance making it perfect for rooftop installation and application



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

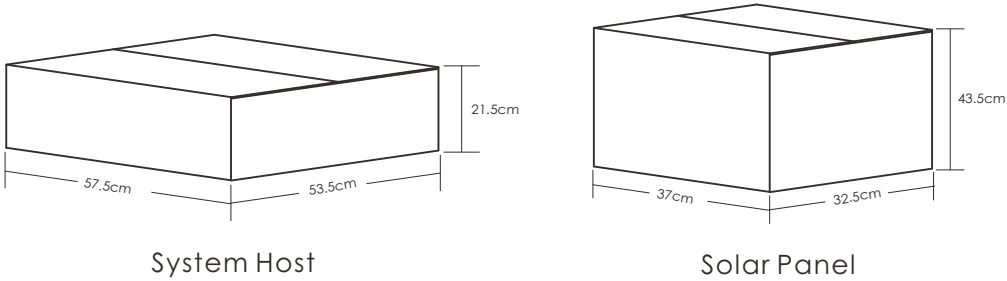
PRODUCT SPECIFICATION

Model	0362B40-01
LED Bulb	3W*3PCS
Torch Light	1PCS
Adapter Input	AC 100-240V 50/60Hz
Solar Panel Type	18V 30W, Mono-crystalline
Battery Type	LiFePO4 12.8V 14AH
Charging Time	6-8 Hours
USB Output	5V 2PCS
DC Output	12V 4PCS
Material	Metal+PVC
Product Size	242*125*182mm(System Host)
Warranty	3 Years

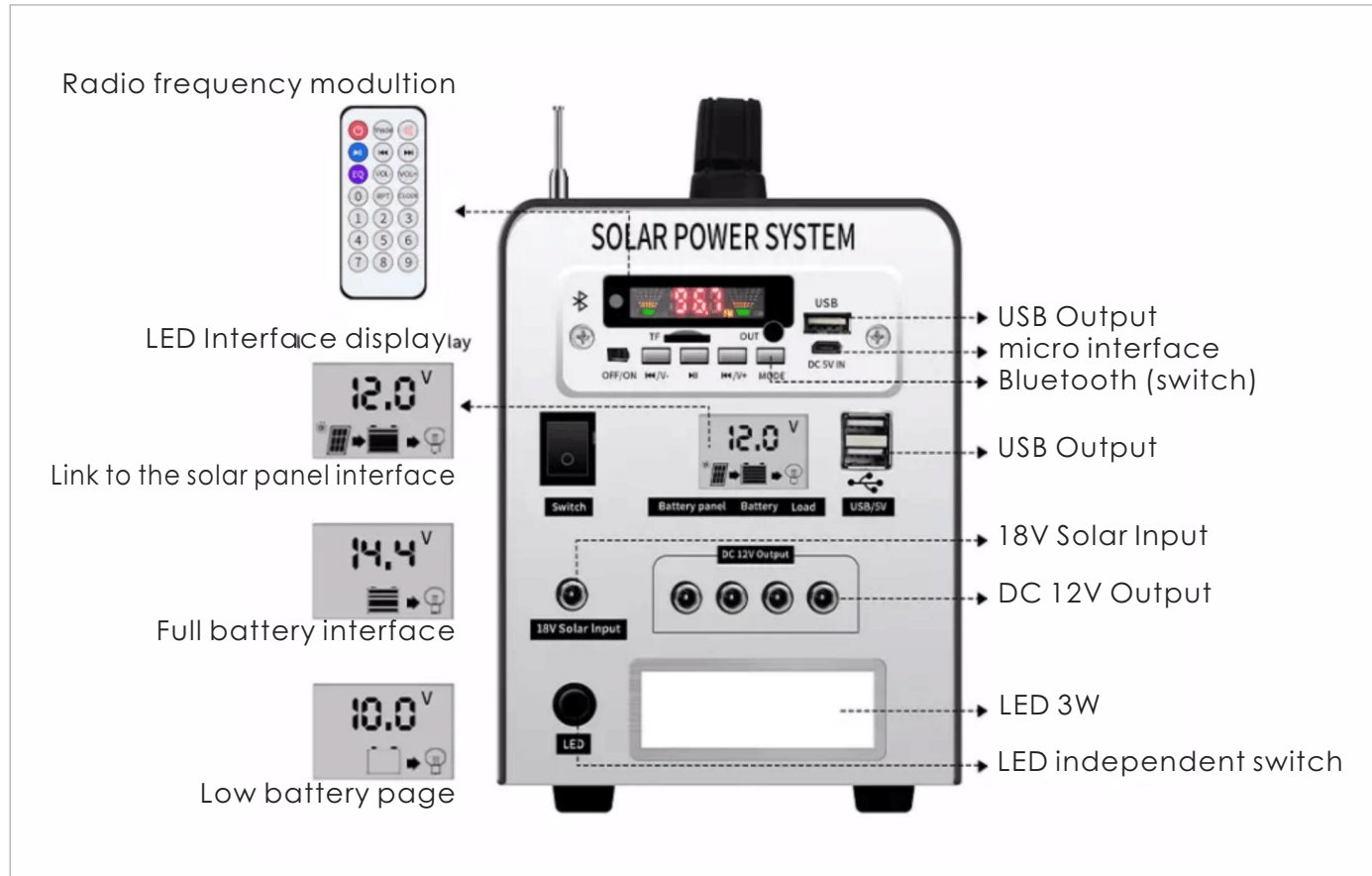


PACKAGING SPECIFICATION

P/N	Power	Packing Size (CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)	
		L	W	H				
0362B40-01	40W	57.50	53.50	21.50	4	0.0661	25.50	System Host
		37.00	32.50	43.50	4	0.0523	18.00	Solar Panel



INSTRUCTIONS FOR USE



CHARGING INSTRUCTIONS

1. when charging, you need to turn on the display switch.
2. Please use a special solar panel or charger to charge.
3. Please keep away from fire sources or inflammable and explosive materials when charging.
4. Please do not charge when the personnel are absent for a long time.
5. Please unplug the power supply when it is full charge.



The system can be charged by solar panels or adapters and car charging, it can meets your multi-purpose, small size, easy to use, easy to carry, simple operation, safe and reliable, it can also supply power for mobile phones, cameras, household appliances and other products, can be used indoors or outdoors

APPLICATION

