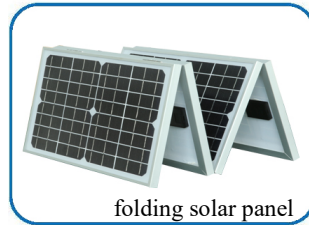


# Solar power generation emergency system

Model: SZG808

Product pictures:



Applications:



emergency and lighting for disaster relief tent



emergency and lighting for temporary medical



emergency and lighting for small construction operation



emergency and lighting for outdoor vacation camping



home solar photovoltaic power generation emergency system

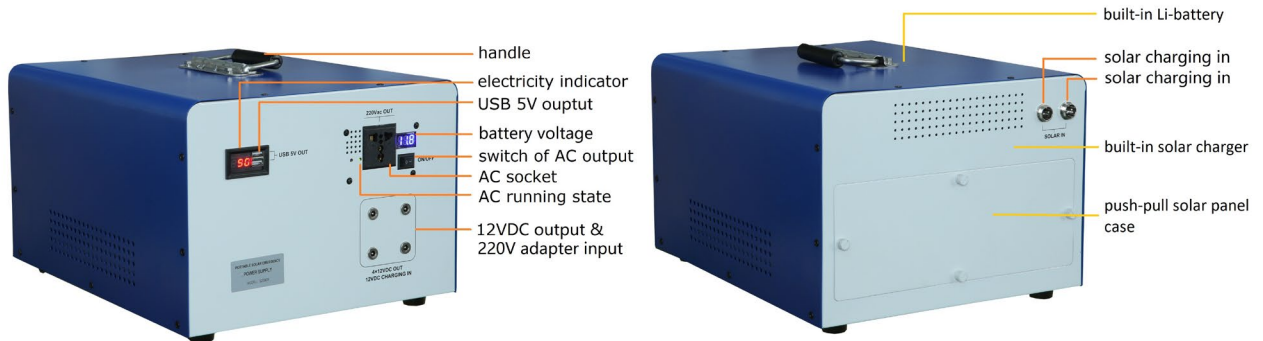


solar PV power generation emergency system in remote and power shortage places

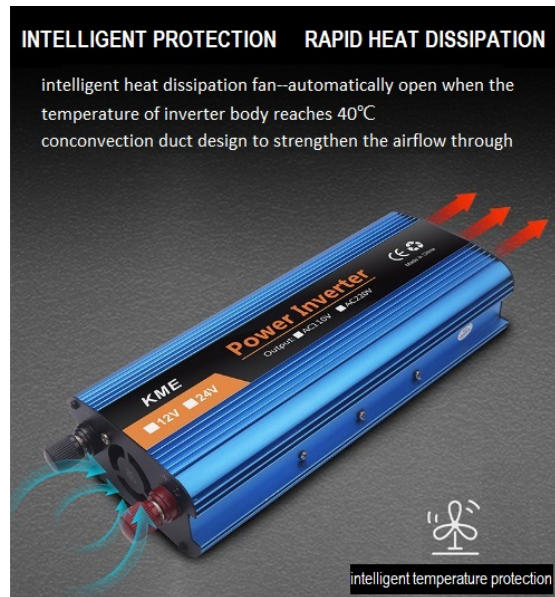
**Power supply equipment and electrical appliances (listed in part):**

 <p>notebook computer</p>	 <p>iPad</p>	 <p>mobile phone</p>
 <p>television</p>	 <p>electric cooker</p>	 <p>electric fan</p>
 <p>led lights</p>	 <p>digital camera</p>	 <p>small electric tools</p>

**Description of product:**

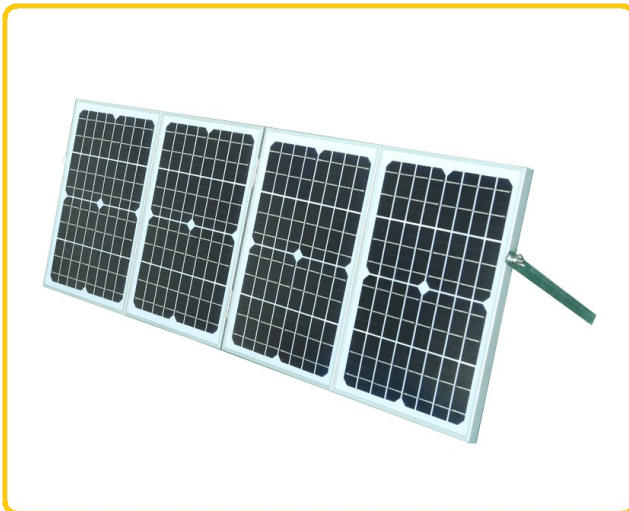


❖ **Intelligent power inverter**



**strong power,  
high efficiency,  
long lifespan,  
safety and  
reliability**

**Folding solar panel**

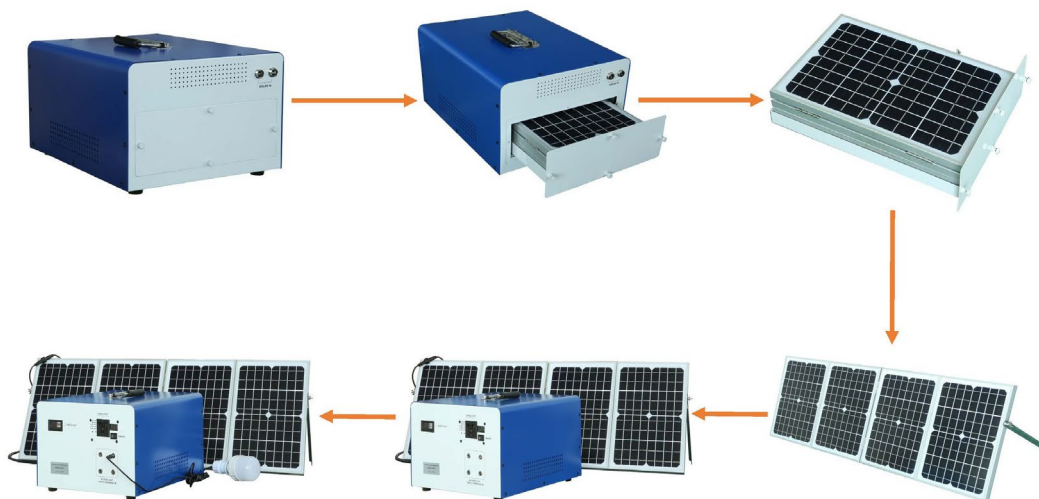





Folding solar panels with small volume is easy to carry and low transportation cost.

Solar panels can be tuned to optimal angle for maximize absorption of sunlight and providing more energy.

The box has reserved spare solar charging port, which can expand a set of solar panel and charge more quickly.

The box is detached from the solar panel for removable use or fixed for home use.



	Main parameters	Size of solar panels	Effective power of solar panel	Carrying and transportation
	Power of solar panel: 18V40W Capacity of battery: 12V40Ah Size of case: 380*445*190mm	Two solar panels Power of each panel: 20W Size of each panel: 415*350*17	Optimum inclination angle of solar panel: ~ 30° Inclination angle of upper solar panel: 60° ~ 70° Inclination angle of lower solar panel: 0° Effective power of solar panel: 25W	Convenient to carry Transportation costs are low
	Power of solar panel: 18V50W Capacity of battery: 12V20Ah Size of case: 225*125*170mm Size of solar panel: 670*530*25	One solar panel Power of each panel: 50W Size of each panel: 670*530*25	Inclination angle of solar panel is about 60° due to unadjustable mounting bracket. Effective power of solar panel: 40W	Not convenient to carry Transportation costs are high. Solar panels are prone to fragmentation in carrying and transport.
	Power of solar panel: 18V48W Capacity of battery: 12V50Ah Size of case: 400*318*235mm	Four solar panels Power of each panel: 12W Size of each panel: 350*235*17 Folding size: 350*260*75	Four solar panels can be extended to flat plane Bracket is adjustable. Can fully adsorb solar energy Effective power of solar panel: 48W	Convenient to carry Transportation costs are low. Solar panels are not easily broken.

❖ Power high-energy lithium-ion battery

Power lithium-ion cells for electric vehicle

multiple protection

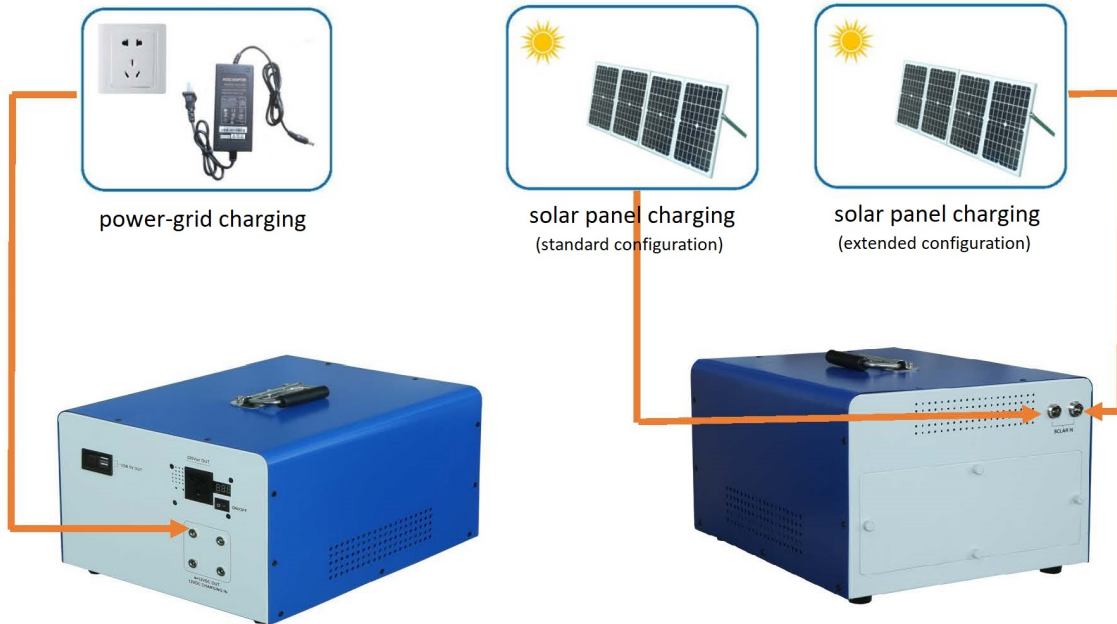


-  voltage protection
-  current protection
-  overload protection
-  short-cut protection
-  temperature protection
-  discharge protection
-  IC protection
-  charging protection



**High power**  
**Voltage indicator**  
**Electricity indicator**

❖ **Solar board charging and power-grid charging**



❖ **Multi-voltage mode output**

- USB 5V output: Charging for mobile phone
- 12VDC output: Power supply for 12V led bulbs and other 12V small power DC equipment (total power not more than 60W)
- 220Vac output: For 220v AC power equipment. The total power shall not be greater than 350W (Model SZG808-50)/250W(Model SZG808-30), with an instantaneous power of less than 500W (Model SZG808-50) / 350W (Model SZG808-30)



## Technical parameters:

Parameter item	SZG808-50	SZG808-30
Type of battery	Lithium ion battery	Lithium ion battery
Battery voltage	12V	12V
Battery capacity	50000mAh	30000mAh
Type of solar panel	Mono solar panel	Mono solar panel
Power of solar panel (including 3m wire)	48W	48W
USB output	2xUSB 5V/2.1A	2xUSB 5V/2.1A
DC output	4xDC12V/5A	4xDC12V/5A
Power of led bulb (including 3m wire)	1x13W+3x5W	1x13W+3x5W
AC output	1x220Vac (≤350W)	1x220Vac (≤250W)
Power grid adapter	12V3A	12V3A
Working temperature	-10~+40℃	-10~+40℃
Storage temperature	-40~+65℃	-40~+65℃
IP protection	IP40	IP40
Dimensions	400*318*235 mm	400*318*235 mm
Weight	13.5Kg	12.5Kg

**Note:** The emergency power case has a solar charging port, which can be expanded to buy a solar panel module to make the solar energy can provide more energy.