



KOREA : 73-27, Ihwaseogil, Dunpo-Myeon Asan-city, ChoongNam, Province

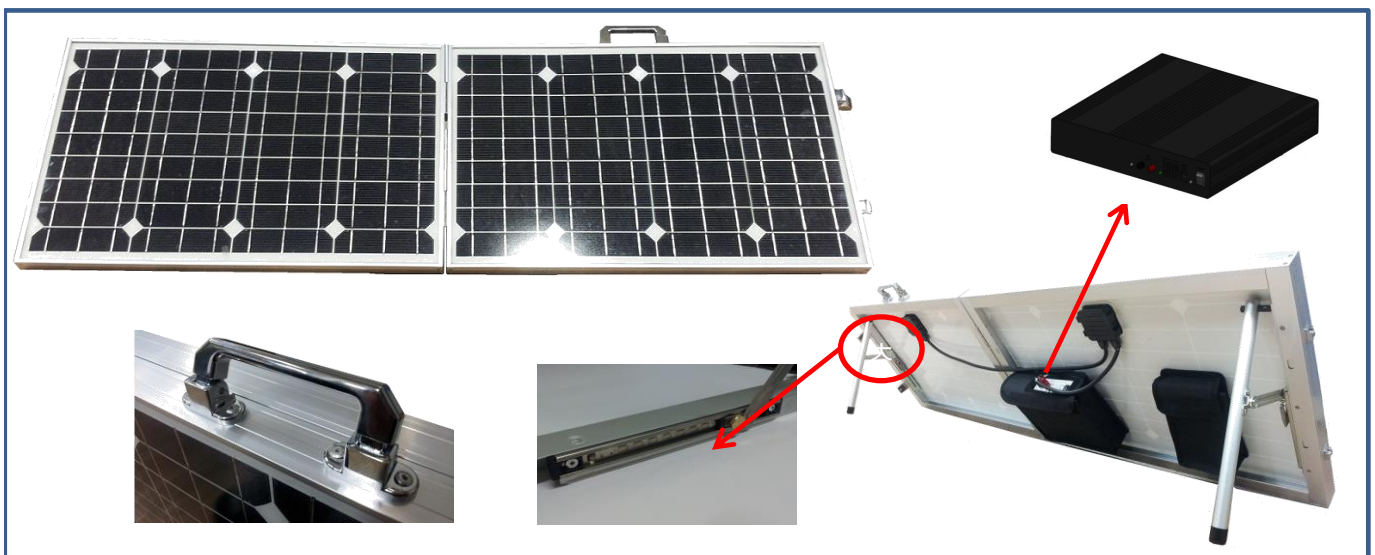
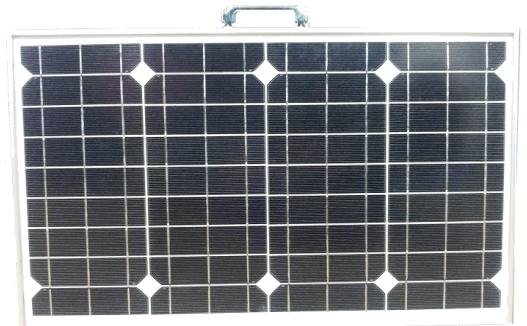
CHINA : 305, Dushi Road, Minhang District, ShangHai, China

AUSTRALIA : Unit 2 175 Briens Rd Northmead 2152 NSW AUSTRALIA

JSPV Portable Module (80w)



Rated Max Power(w)	80W
Optimum Power Voltage(Vmp)	17.6V
Potimum Poerating Current(Imp)	4.55A
Open Circuit Voltage(Voc)	21.5V
Shot Circuit Current(Isc)	5.00A
Weight	10kg
Size of Module(folded)	660x406x70mm





JSPV Portable Modul (80w)

Solar Charger User's manual

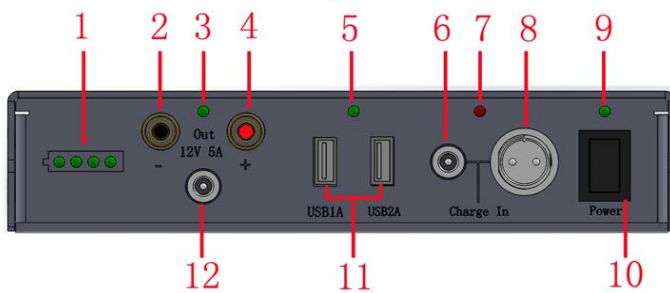


fig. 1 Solar charger front pannel

The sales product image (258X140X42)

1. Explain of mark number

- ①. Four battery indicator
- ②. 12V output terminal (-)
- ③. 12V power indicator
- ④. 12V output terminal (+)
- ⑤. USB power indicator
- ⑥. Power adapter charger input interface
- ⑦. Charging indicator
- ⑧. Solar panel charge socket interface
- ⑨. Power indicator
- ⑩. Power master switch
- ⑪. 5V USB interface
- ⑫. DC12V output interface

2. Characteristics

(1) High efficiency:

USB 5V output can charge your mobile or used by digital products ,12V output interface and 12V terminal can be used by 12V appliances in any time but less 60W.



JSPV Portable Modul (80w)

(2) Intelligent charging function:

With constant current, average charge & float charging function, through different modes of automatic control, effectively extending the battery life.

(3) Powerful intelligent protection function:

With the protection function of overcharge, over discharge, overload & short circuit, etc, let you use it with confidence and security.

(4) Stability:

Using high quality polymer battery, sustainable long time of charge and discharge, stable performance.

(5) Reliability:

Use high quality aluminum for housing, durable, good heat dissipation, ease of use.

(6) Practicability:

USB output interface, general more than 90% digital products power interface, reduce the various types of digital products on the plug configuration, make you more comfortable in the use of various types of digital products, the same time enhance the endurance of your digital products.

(7) Environmentally friendly:

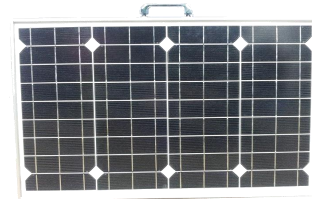
This series of energy-saving and environmental protection, use of solar panels to charge the internal battery to store electrical energy, almost does not consume energy, no need to worry about power outages.

3. Installation methods

Before installation & use please make sure you have a little understand this product's features

(1) System component

The system is made up of two parts:



(1)Charging,energy storage, discharging case

(2)Portable united PV panel

(2) PV panel and charging case installation

Unfold the PV panel when solar power charging is needed, let the sunlight shine on the right side of PV panel directly, put the output plug of PV panel into the charging case interface to charge internal battery to store energy.

Power adapter can also be applied to charge internal battery in charging case. Put DC output plug of power adapter into the charging socket of charging case when charging, open the master switch to start charging. And the charging voltage will be automatically controlled by inner circuit.

(3) Application method

It has 11.1V 18AH lithium battery inside of charging case. DC12V 5A power output terminal is on the front of control interface, which can supply power for electric appliances below 12V/60W or lamps.

Two USB interface can simultaneously charge two cellphones or digital products below DC5V 2A.

4. Datasheet

Product name : Photovoltaic charging case		
Model NO.	Product specification	
PV charging case	Inner battery	11.1V 18AH Polymer lithium battery
	Output interface	USB DC5V * 2 /Current 1A/2A DC12V /Current 5A /Power 60W
	Protection function	Smart protection function: charging protection, undervoltage protection, over current protection,short circuit protection
	Indicator	Indicative function: 5V indicator, 12V charging indicator, charging indicator, power source indicator
	Power adapter	AC100V-220V / Convert DC15V 2A/ Power 30W



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Product name : Photovoltaic charging case		
Model NO.	Product specification	
Foldable PV panel	Power	MAX 80W(polysilicon)
	PV panel cable	Original binding PV panel
	Working voltage	17-21V
Full charging time	6-8H (PV panel, sufficient sunlight)	
Electric appliance working time	2.6H (Load 60W)	
	32H (Load 5W)	
Working temperature	Charging time : -10 ~ 45 °C Discharging time : -10 ~ 45 °C	
Storage temperature	-5 ~ 35 °C Be in dry and ventilated room, far away from fire and heat source! Don't contact corrosive substance.	
Relative moisture	45%~85%	
Quality warranty	two years warranty period for charging case, five years warranty period for PV panel	
Charging case size	Length 258 * /idth140 * height42mm	