

Portable Solar Home System



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Introduction

This Solar Power System combines charging, charging control, conserve power with portable design. Can replace power source from household power source as emergency power source, back-up power source in supports of rescue operation, support the areas of insufficient local power, provide power source for emergency, traveling, outdoor recreation, camping, etc.....



Solar Power System includes solar charge, storage, discharge control and load use. It has low power consumption high efficiency, system security protection, multi-power-source output, load end Plug and Play.

On basis of simple diversity of system design, system divides into four parts: solar module, charge and discharge management module, battery and optional load.

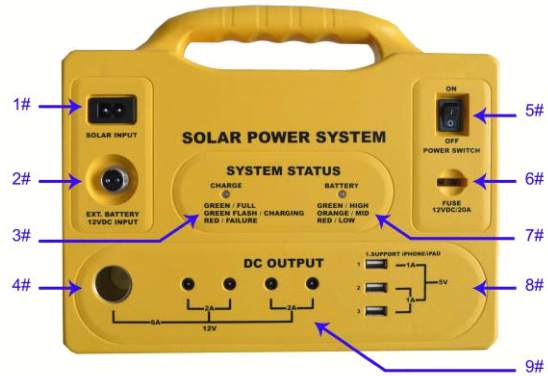
Features

- Portable Design.
- Multiple charging inputs from solar, AC/DC adapter, Vehicle.
- Low consumption, high efficiency and auto management.
- Long stand-by time.
- Charge status and battery level indicator.
- Initiative Safety Protection circuitry
- Plug and play operation.
- Easy to install and maintenance.
- Solar panel and battery can be expansion.



Outlook Introduction

- 1#. Charging input.
- 2#. External battery input.
- 3#. Charging status.
- 4#. Car charging socket.
- 5#. Power switch.
- 6#. Power fuse (20 Amps).
- 7#. Battery status.
- 8#. USB output.
- 9#. DC jack output.

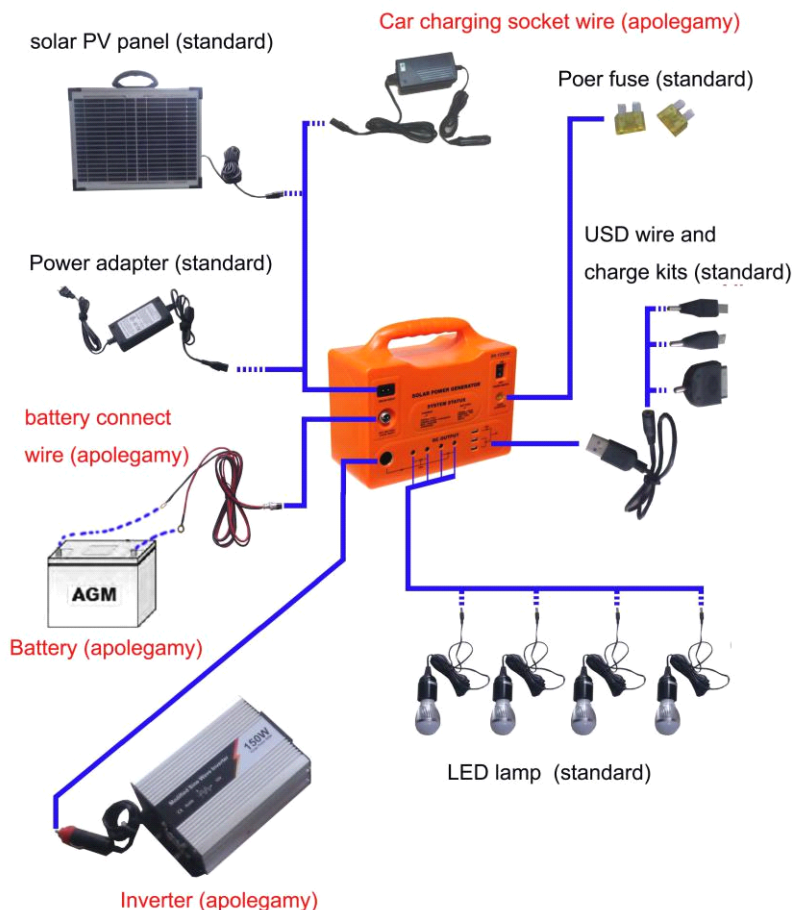


System configuration

- Main system battery: AMG 12.0V/7/12/20Ah.
- Solar panel: 17.4VDC/10/20/40W
- Main system control: 12.0VDC/10.0A.
- Main power switch: 12.0VDC/10A.
- Main power fuse: 12.0VDC/20A.
- Charging input1: 16VDC~24VDC/100W(MAX) .
- External battery input x 1: AMG 12VDC/20Ah(MAX) .











Note: Maximum recommended load: 60W (SK-10W) 100W(SK-20W) 130W.(SK-40W)

Portable Solar Home System Part List



- Main system power charging/battery level status indicator.
- USB output x 3: 5VDC.
- DC jack output x 4: 12VDC.
- Car socket x 1: 12VDC.

Portable Solar Home System datasheet

System type		SK-10W	SK-20W	SK-40W		
configuration	System power	photo	quantity	10W	20W	40W
standard	System box		1	Power switch; Power fuse (20 Amps); Charging input; External battery input; Charging status; Battery status; USB output; DC jack output; Car charging socket.		
	solar PV panel		1	Power:10W voltage:17.4V current:0.57A	Power:20W voltage:17.4V current:1.15A	Power:40W voltage:17.4V current:2.3A
	power adapter		1	AC to DC adapter (19V/1A), wire length: 0.8m, other side wire length:1.2m		
	LED lamp		4	power:3W/12V ; connect:E27; wire length: 5m		
	USD wire		1	wire Length 0.3m		
	charge kits		1	5VDC/1A (5W),Support USB output charging or load use		
			2	5VDC/1A(5W)/i-PHONE and i-PAD charging		
	poer fuse		2			
apolegamy	Battery		1	AGM 12VDC/ 7.2Ah	AGM 12VDC/ 12Ah	AGM 12VDC/ 20Ah
	battery connect wire		1	wire lergth:1.5m		
	inverter		1	DC to AC ; 150W ; wire length:0.4m		
	Car charging socket wire		1			