



Portable Solar Home System

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.

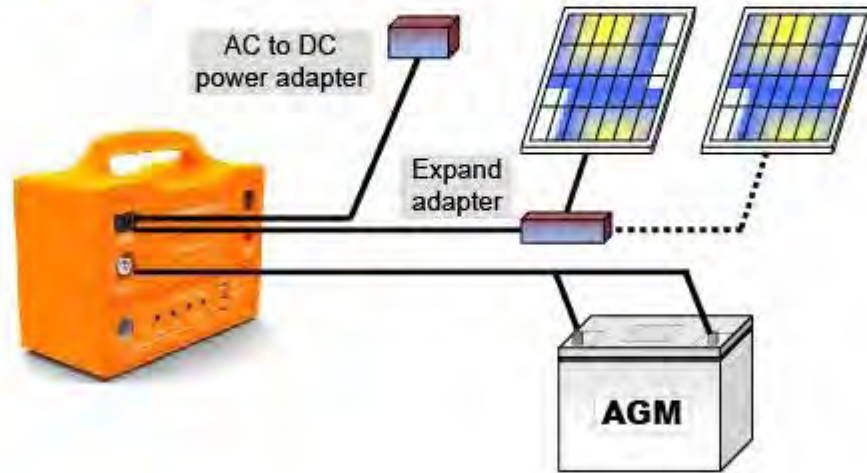
Specification

Model	SK-10w	SK-20w	SK-40w
AGM Battery(External) 12V	7.2Ah	12.0Ah	20.0Ah
Battery power(With ext.) 80%	69.1W(138.2W)	115.2W(230.4W)	192.0W(384.0W)
Solar panel(Expansion) 17.4V	10Wp(10Wp)	20Wp(10~20Wp)	40Wp(20~40Wp)
Output rated current	10A/12V		
1 · USB*3	2.0A/5VDC ; (1.0A/5V/1) + (1.0A/5V/2)		
2 · DC jack(5.5*2.1)*4	4.0A/12VDC ; (2.0A/12V/2) + (2.0A/12V/2)		
3 · Car socket*1	—————	4.0A/12VDC ; 4.0A/12V/1	
Main power switch*1	Yes		
Main power fuse*1	Yes		
External battery input socket	Yes		
Solar panel input socket*1	Yes ; AC to DC power adapter Suitable		
AC to DC power adapter	19VDC/1.0A	19VDC/2.0A	19VDC/3.0A
Charge status	Red→Failure; Orange→Charging ; Green→Full power		
Power status	Red→<=33% ; Orange→>33% ; Green→>66%		
Initiative protection	Main power switch buffer Main power fuse unit Battery high/low voltage Charge high voltage Output current limiting / reverse Output overload / short External battery buffer		
Passive protection	Charge status Battery power Status Main power cut		
Loading time(With ext. bat.)	DC LED bulb		
A · DC 1W LED bulb*4(Min)	13.2hr(26.4hr)	23.0hr(46.0hr)	38.4hr(76.8hr)
B · DC 3W LED bulb*4(Min)	4.6hr(9.2hr)	7.6hr(15.2hr)	12.8hr(25.6hr)
Power loading 30W(Min)	2.3hr(4.6hr)	3.8hr(7.6hr)	6.4hr(12.8hr)
Solar charging time	Solar panel(With expansion solar panel)		
1 · Without external battery	7.0hr(3.5hr)	5.8hr(3.8~2.9hr)	4.8hr(3.2~2.4hr)
2 · With external battery	————(3.5hr)	————(3.8~2.9hr)	————(3.2~2.4hr)
AC to DC power adapter charging time(Min)	4.5hr	3.8hr	4.2hr
Box material	Plastic(ABS)		
Box dimension(REF)	280 * 132 * 235 mm		
Box Weight(REF)	3.8kg	4.8kg	6.0kg
Loading capacity(1x20ft)	720 sets	480 sets	320 sets
Loading capacity(1x40ft)	1440 sets	960 sets	640 sets

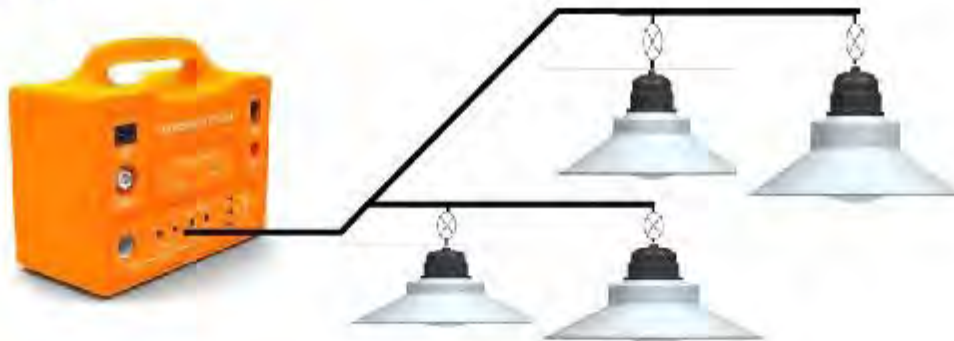


Application

- ◆ External battery
- ◆ Solar charge and expand
- ◆ AC to DC power charge



◆ Home lighting



◆ Computer, Television, Media, Radio, etc.





- ◆ DC to AC inverter
- ◆ DC to DC power charge
- ◆ USB booster and connect cables and charge adapter
- ◆ LED light

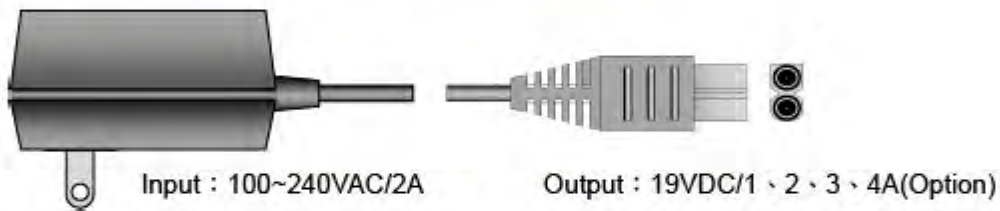






Accessory (Option : Picture for reference only)

◇ AC to DC power adapter(Main power charging)



◇ USB Booster and connect cables and charging adapter

USU Booster

Input : 5VDC/500mA

Output : 6VDC/400mA · 7.5VDC/350mA



◇ LED

