

SOLAR POWER SYSTEM - NPS - 120 W

Technical data:		
Item No.	NPS-120W	
Capacity	120W	
System voltage	12VDC	
Best output power everyday	600WH	
Inverter	Output wave	sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	0.55A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
	Invert efficiency	>97%
Solar panel	Pmax	40W*2pcs
	Vmp	17.5V
	Imp	4.57A
Charger	Charger voltage & current	120W/12V

Load reference:					
NPS-120W solar home system					
loads name	specification	load's watt	qty	working hrs	Daily consumption
charger	phone and mp4	1W	2	8	16WH
lighting	energy saving light	11W	2	6	132Wh
Fan	small fan	20W	2	4	160
total		62W			308Wh



Main Components & Package Data

Parts	Spec	Qty	Size (L*W*H mm)	Weight (Kg)
Solar Panel	12V40W	2	485 x 541 x 60	9
Controller & Inverter (Power Box)	12V120W	1	400 x 240 X 290	7.3
Batteries	12V20AH	1	167 x 126 x 175	8.5
Accessories	Cable			

Features:

- ◆ High tech
- ◆ High efficiency
- ◆ Good quality
- ◆ High reliable
- ◆ Super long life span

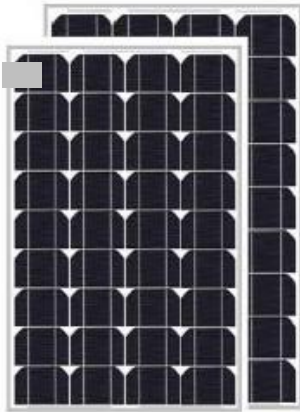
Application:

Nomads, families, island, none or short of electricity area, Satellite Ground Stations, weather stations, forest fire stations, etc.

Warranties:

Solar panel: 25 years
Power box: 5 years

Solar Panel-40W



Features:

High-transmissivity;low-iron tempered glass;18% module efficiency

Warranties:

25 years product warranty
10-years warranty on 90%
25-years warranty on 80%

Certification:

CE, ISO, TUV,IEC,UL

Spec	40W
Power (W)	40
Dimension of cell (mm)	42*125
Dimension of panel (mm)	485*541*30
Arrangement way (pcs)	4*9
Weight (KG)	3.5
System voltage(V)	12
Pmax (W)	40
Vmp (V)	17.5
Imp (A)	2.29
Voc (V)	21.3
Isc (A)	2.49

Hybrid of Inverter & Controller 12V120W



Features:

- ◆ High tech
- ◆ High efficiency
- ◆ Good quality
- ◆ High reliable
- ◆ Super long life span

Warranties:

2 years

Certification:

CE(EMC, LVD) ISO, TUV,IEC

Rated power (W)		120
Rated voltage(VDC)		12
Recommended controller charge MAX. current (A)		3.33
Recommended solar MAX. open voltage (V)		24
Over-charge(V)	protection	14.4
	recover	13.2
Voltage descent(V)	Between solar cell and battery	≤0.4
	Between battery and load	≤0.03