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## Портативные солнечные системы



### Портативная Солнечная Система 40 W

#### Specification Of Portable Solar System

Charging source	≤100W 18V solar panel( No load 21.5V) ≤5A 15V adapter		
Inverter	DC12V-AC220V , 300W pure sin wave		
Output voltage	1pc USB 5V 1A output; 1pc DC 12V5A output; 1pc DC 12V5A cigarette lighter output; 1pc AC 220V output, maximum output current : 2A		
Built in battery	2pcs 12V/24AH (Lead acid battery)		
Charging time	Will depends on way of charging and power of solar panel and adapter		
Discharging time	Will depends on which load power.		
Rated charging current	< 10A	Rated discharging current	5A
System voltage	12V	No load loss	<50mA
Over pressure protection	14.4V	Boost voltage	15V
Under voltage	11.6V	Over discharge voltage	10.5V
Control mode	Charging; PWM;		
Working temperature	-150C to +650C		
Over load and short-circuit protection	10ms response		
Protection circuit:	Over load and short-circuit protection	Fuse burnout	

Note : System configuration base on real object



# Портативная Солнечная Система 15 W

## Specification Of Portable Solar System

Charge source	Solar panel:15W/18V monocrystalline solar panel cable :5meters		
	output : DC 16V/800mA		
Output voltage	DC outputs : 1pcs DC12V out put, 1pcs car cigarette lighter output,1pcs 5V USB output,maximum current output:1A,1pcs AC 220 150W output		
Built-in battery	2sets 6V/12AH maintenance free lead acid battery		
Charge time	Solar panel:15W/18V,Specific charge time depends on the intensity of the sunshine.		
Discharge time	Depends on the power of the device		
rated charge current	5A	Rated discharge current	3A
System voltage	12V	Offload consumption	<500uA
Over voltage protection	17V	Lift charge voltage	14.6V
Under- voltage voltage	10.5V	over-discharge voltage	11.1V
temperature compensation	-4.0mv/0C/2V (lift charge、direct charge,float charge,charge voltage recover compensation)		
control ways	Charge;PWM(pulse width modulation)		
work temperature	-350C to +650C		
overload short circuit protection	1.25 times rated current 30 seconds overload protection 1.5 times rated current 5 seconds over-load protection; ≥3 times rated current short circuit protection		
Protect circuit	Overcharge,over discharge,over load,short circuit protection	All protection do no harm to any parts,do not burn fuse.Fuse serves as final protection.	
	Solar panel ,battery reverse polarity protection		
Panelcharge extensibility	The system can be charged more rapidly by increasing the solar panel size such as 30W/18V or 40W/18V but not exceeding 90W/18V.		



# Портативная Солнечная Система 20 W

## Specification Of Portable Solar System:

Charge source	Solar panel:10W/18V monocrystalline solar panel cable :5meters		
	output : DC 16V/800mA		
Output voltage	DC outputs : 1pcsDC 12Vcar cigarette lighter output,1pcs 5V USB output,maximum current output:1A		
Built-in battery	2sets 6V/12AH maintenance free lead acid battery		
Charge time	Solar panel:10W/18V,Specific charge time depends on the intensity of the sunshine.		
Discharge time	Depends on the power of the device		
rated charge current	5A	Rated discharge current	3A
System voltage	12V	Offload consumption	<500uA
Over voltage protection	17V	Lift charge voltage	14.6V
Under- voltage	10.5V	over-discharge	11.1V

voltage		voltage	
temperature compensation	-4.0mv/0C/2V (lift charge、direct charge,float charge,charge voltage recover compensation)		
control ways	Charge;PWM(pulse width modulation)		
work temperature	-350C to +650C		
overload short circuit protection	1.25 times rated current 1.5 times rated current ≥3 times rated current	30 seconds overload protection 5 seconds over-load protection; short circuit protection	
Protect circuit	Overcharge,over discharge,over load,short circuit protection	All protection do no harm to any parts,do not burn fuse.Fuse serves as final protection.	
	Solar panel ,battery reverse polarity protection		
Panelcharge extensibility	The system can be charged more rapidly by increasing the solar panel size such as 30W/18V or 40W/18V but not exceeding 90W/18V.		

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