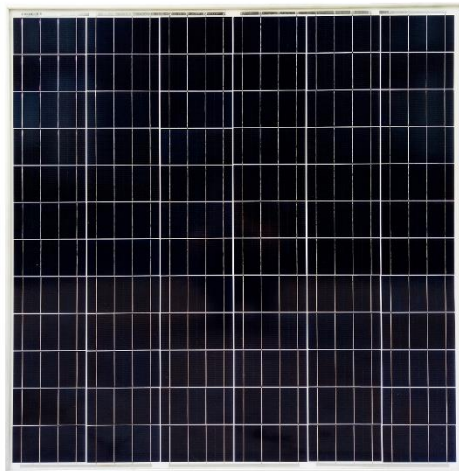


DH-PFM360

50W Solar power system



Features

- Support 50W load, continuous work for 72/168h on rainy days;
- DC48V output, use Hi-PoE switch to power loads, No inverter loss;
- Solar module has Max. 40kA lightning protection;
- Controller has over-temperature, overcharge, over discharge, overload, short circuit protection;
- Gel battery can be three years free maintenance;
- System supports real-time monitoring of DSS platform.

Technical Specifications

Model	DH-PFM360		
System			
Max. load	50W		
Output	DC48V		
Average of daily sun	2~6h		>6h
Continuous rainy days	3days	7days	3days
Storage capacity	5760Wh	11520Wh	5760Wh
Charging time	1.3 days~16.8days	2.6 days~33.6 days	<2.4days
Weight	270kg(595.2lb)	415kg(914.9lb)	270kg(595.2lb)
Dimension	1100mmx1200mmx1100 mm (43.31"x47.24"x43.31")	1100mmx1200mmx1100 mm (43.31"x47.24"x43.31")	1100mmx1100mmx1100 mm (43.31"x 43.31"x43.31")
Working temperature	-25°C~+55°C(-13°F ~+131°F)		
Certification	CE		
Solar Module			
Material	Polysilicon, Tempered glass, EVA, Aluminum		
Capacity	150W		
Conversion rate	≤18%		
Interface protection	IP65		
Max. pressure	Wind pressure 2400Pa/ Snow pressure 5400Pa		
Weight	11kg(24.3lb)		
Dimension	1016mmx990mmx35mm(40"x38.98"x1.38")		
Working temperature	-40°C~+85°C(-40°F ~+140°F)		
Controller			
Rated voltage	PWM-30A 12V/24V/48V Adaptive		
Rated current	30A		
Limit voltage for battery	64V		
Limit voltage for module	96V		
Communication method	RS485		
Static loss	≤18mA		
Working temperature	-25°C~+55°C(-13°F ~+131°F)		
Device Box			
Material	SUS201		
Box weight	5.0kg(11.0lb)		
Dimension	500mmx400mmx200mm(19.68"x15.75"x7.87")		
Installation diameter	Ø180mm~ Ø 300mm(Ø 7.09" ~ Ø11.81")		
Protection	IP65		
Lightning protection	Max 40kA		
Total weight	6.5kg(14.3lb)		
Gel Battery			
Type	Gel battery		
Capacity	12V-120Ah		

Power Series | DH-PFM360

Weight	38kg(83.8lb)		
Dimension	406mmx173mmx209mm(15.98"x6.81"x8.23")		
Cycle (80% discharge depth)	>1200		
Max. charge current	0.25C		
Working temperature	-20°C~+50°C(-4°F~+122°F)		
Buried box			
Material	PVC		
Protection	IP66		
Weight	45kg(99.2lb)	65kg(143.3lb)	45kg(99.2lb)
Dimension	1130mmx610mmx400mm (44.49"x24.02"x15.75")	1100mmx970mmx400mm (43.31"x38.19"x15.75")	1130mmx610mmx400mm (44.49"x24.02"x15.75")

Configuration list

Model	DH-PFM360		
Configuration 1	50W, 2~6h, 3days		
Solar module	150W		6pcs
Device box	Including controller, Lightning protection, air switch, patch		1set
Gel battery	120AH		4pcs
Buried box	For ≤600AH battery		1set
Configuration 2	50W, 2~6h, 7days		
Solar module	150W		6pcs
Device box	Including controller, Lightning protection, air switch, patch		1set
Gel battery	120AH		8pcs
Buried box	For >600AH, ≤1000AH battery		1set
Configuration 3	50W, >6h, 3days		
Solar module	150W		4pcs
Device box	Including controller, Lightning protection, air switch, patch		1set
Gel battery	120AH		4pcs
Buried box	For ≤600AH battery		1set

Order Information

Product	Part Number	Description
Solar Module Bracket	DH-PFM376-A	For 6 pcs solar module
	DH-PFM376-B	For 4 pcs solar module
Serial server	eBox-TCP-01	To monitor the state of solar power system by RS485-network port

Application

