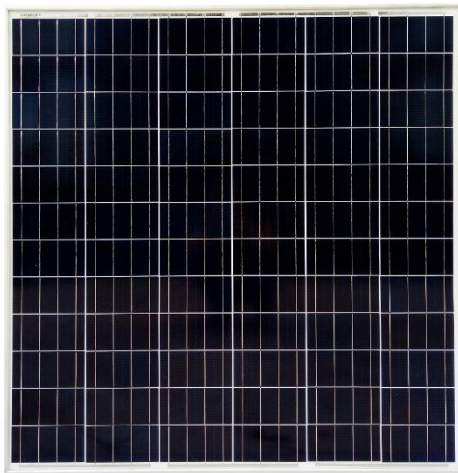


DH-PFM362

30W Solar power system



Features

- Support 30W 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-PFM362		
System			
Max. load	30W		
Output	DC48V		
Average of daily sun	2~6h		>6h
Continuous rainy days	3days	7days	3days
Storage capacity	3120Wh	7200Wh	3120Wh
Charging time	1~9days	2.3~21days	<1day
Weight	205kg(451.4lb)	240kg(529.1lb)	185kg(407.9lb)
Dimension	1100mmx1100mmx1100mm (43.31" x43.31" x43.31")	1100mmx1100mmx1100mm (43.31" x43.31" x43.31")	1100mmx1100mmx1100mm (43.31" x43.31" 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	500mm*400mm*200mm(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)		
Battery			
Type	Gel battery		
Capacity	12V-65Ah	12V-150Ah	12V-65Ah

Power Series | DH-PFM362

Weight	22kg(48.5lb)	45kg(99.2lb)	22kg(48.5lb)
Dimension	260mmx168mmx210mm (10.24"x6.61"x8.27")	482mmx170mmx240mm (18.98"x6.69"x9.45")	260mmx168mmx210mm (10.24"x6.61"x8.27")
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	37kg(81.6lb)	45kg(99.2lb)	37kg(81.6lb)
Dimension	1010mmx580mmx400mm 39.76" x22.83" x15.75")	1130mmx610mmx400mm (44.49" x24.02" x15.75")	1010mmx580mmx400mm 39.76" x22.83" x15.75")

Configuration list

Model	DH-PFM362	
Configuration 1	30W, 2~6h, 3days	
Solar module	150W	4pcs
Device box	Including controller, Lightning protection, air switch, patch	1set
Gel battery	65AH	4pcs
Buried box	For ≤600AH battery	1set
Configuration 2	30W, 2~6h, 7days	
Solar module	150W	4pcs
Device box	Including controller, Lightning protection, air switch, patch	1set
Gel battery	150AH	4pcs
Buried box	For ≤600AH battery	1set
Configuration 3	30W, >6h, 3days	
Solar module	150W	2pcs
Device box	Including controller, Lightning protection, air switch, patch	1set
Gel battery	65AH	4pcs
Buried box	For ≤600AH battery	1set

Order Information

Product	Part Number	Description
Solar Module Bracket	DH-PFM376-B	For 4 pcs solar module
	DH-PFM376-C	For 2 pcs solar module
Serial server	eBox-TCP-01	To monitor the state of solar power system by RS485-network port

Application

