

Solar Power System

SWP-500W

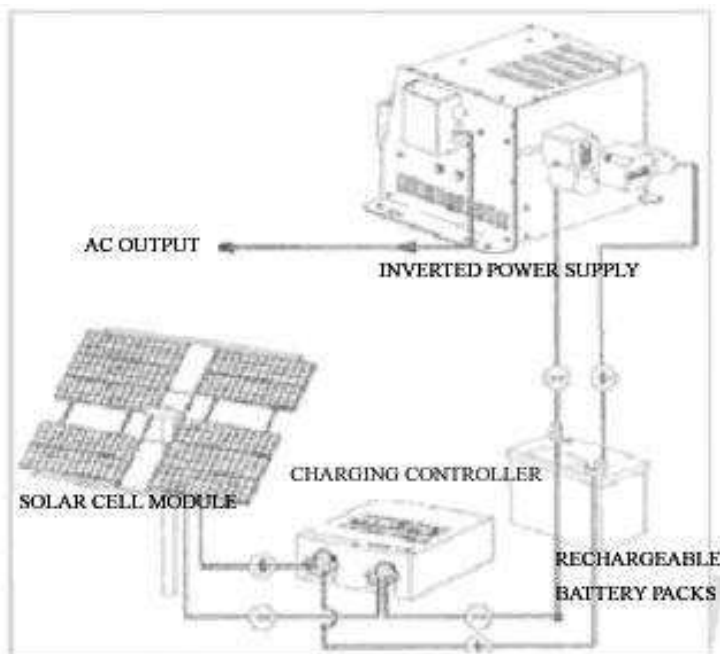
Specifications

Solar Panels	Max power	500 W(170W×3)			
	Converting efficiency	≥ 16% polycrystalline silicon with 125×125 standard square			
	Electrical data	Open circuit voltage	44.5V	Max voltage	35.9V
		Short circuit current	15.36A	Max current	14.22A
	Type and Size	Type A	1 array*3 modules in series 2464×1580 mm	Module size	808×1580×35 mm
		Type B	—		
Installation angle	Install at 0°~ 60°from the horizontal				
Battery Pack	Rated capacity	300AH	Combined mode	150AH/12V	
	Rated voltage	24V		2pcs as a array and 2 arrays in parallel	
	Battery type	Maintenance-free lead-acid	Discharging rate	≤50%	
	Ambient temperature	-30℃~+60℃	Weight	250Kg	
	Lifetime	25 years			
Charge/discharge Controller, Input&output	Charge/Discharge controller	Model	CML20		
		Size	20A (12 / 24 adaptorable)		
		Manufacturer	P h o c o s		
	DC output	12V	4 outlets for 4 pcs DC 12 V /11 W CFL		
		24V	—		
	AC out-A 50 / 60 H z	Inverted output of standard electricity wave	Rated output power 300W for group-adaptive loads e.g.: lights, TV, electrical heaters, etc		
AC output-B 50 / 60 H z	inverted output of pure electricity wave	Rated output power 300W for geist electrical machine loads e.g.: fridges, electrical fans, water pumps, etc.			

Performance

Max Output	DC	12V	100W	Rated output (100%)	DC	12V	60W
		24V	—			24V	—
	AC	Standard electricity wave	400W		AC	Standard electricity wave	500W
		Pure electricity wave	400W			Pure electricity wave	400W
Power ability for 50% loads		Available Power for a sunny day's charge				6—8 hours	
		Available power for full battery				25 hours	

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