

Daily use reference average 5-6hours



Name of Load	Power	Working Hours	Consumption
TV	80W	6hours	480Wh
COMPUTER	200W	4hours	800Wh
LIGHTING	40W	6hours	240Wh
FAN	2X50W	6hours	600Wh
FRIDGE	80W	24hours	960Wh
TOTAL	500W		3080Wh



System design according to loading power and backup time

	Item	PR-SHS500
Solar Panel	Maximum power at STC(pm)	500W Solar Panel (4pcs 125W, 2pcs series, 2strings parallel)
	Max. system charging voltage	34.8V
	Max. system charging current	14.36A
Inverter	Inverter Type	Pure sine wave high frequency
	Continuous output power	600W
	Output voltage / Frequency	220V / 50Hz
Charge Controller	System Voltage	24V
	Rated discharge current	30A
Solar controller & inverter inbuilt together		
Battery	Type	Deep Cycle or GEL or Lead Carbon
	System Voltage	24V
	Capacity	2pcs 12V 200Ah
Operating Temperature		-20°C ~ +55°C
Packing (CBM / KG)	Solar panel	0.25CBM / 60KGS
	Control box	0.054CBM / 10KGS
	Battery	0.08CBM / 122KGS
	Whole System	0.384CBM / 192KGS

