

Daily use reference average 5-6hours



Name of Load	Power	Working Hours	Consumption
TV	120W	6hours	720Wh
COMPUTER	100W	4hours	400Wh
LIGHTING	60W	6hours	360Wh
FAN	2X80W	10hours	1600Wh
FRIDGE	120W	24hours	1440Wh
WASHING MACHINE	300W	1hours	300Wh
WATER PUMP	150W	2hours	300Wh
TOTAL	1010W		5120Wh



System design according to loading power and backup time

	Item	PR-SHS1000
Solar Panel	Maximum power at STC(pm)	1000W Solar Panel (8pcs 125W, 4pcs series, 2strings parallel)
	Max. system charging voltage	69.2V
	Max. system charging current	14.45A
Inverter	Inverter Type	Pure sine wave with utility charger
	Continuous output power	1200W
	Output voltage / Frequency	220V / 50Hz
Charge Controller	System Voltage	48V
	Rated discharge current	30A
Solar controller & inverter inbuilt together		
Battery	Type	Deep Cycle or GEL or Lead Carbon
	System Voltage	48V
	Capacity	4pcs 12V 150Ah
Operating Temperature		-20°C ~ +55°C
Packing (CBM / KG)	solar panel	0.30CBM / 90KGS
	Control box	0.054CBM / 23KGS
	Battery	0.12CBM / 185KGS
	Whole System	0.474CBM / 298KGS

