

Daily use reference average 5-6hours



Name of Load	Power	Working Hours	Consumption
TV	2X120W	8hours	1920Wh
COMPUTER	2X150W	4hours	1200Wh
LIGHTING	150W	8hours	1200Wh
FAN	3X80W	12hours	2880Wh
FRIDGE	120W	24hours	1440Wh
WASHING MACHINE	300W	1hours	300Wh
WATER PUMP	500W	2hours	1000Wh
HAIR DRIER	500W	0.5hours	250Wh
TOTAL	2350W		10190Wh



System design according to loading power and backup time

	Item	PR-SHS2000
Solar Panel	Maximum power at STC(pm)	2000W Solar Panel (8pcs x 250W, 2pcs series, 4strings parallel)
	Max. system charging voltage	60.8V
	Max. system charging current	33.04A
Inverter	Inverter Type	Pure sine wave with utility charger
	Continuous output power	2400W
	Output voltage / Frequency	220V / 50Hz
Charge Controller	System Voltage	48V
	Rated discharge current	60A
Solar controller & inverter inbuilt together		
Battery	Type	Deep Cycle or GEL
	System Voltage	48V
	Capacity	4pcs 12V 260Ah
Operating Temperature		-20°C ~ +55°C
Packing (CBM / KG)	Solar panel	0.48CBM / 224KGS
	Control box	0.054CBM / 33KGS
	Battery	0.20CBM / 300KGS
	Whole System	0.734CBM / 557KGS

