PROFLEX®
New Energy driving future power

SOLAR SYSTEM

PR-SHS5000 Series

Design Backup Time 5-6Hrs

Item		PR-SHS5000
Solar Module	Maximum power at STC(pm)	3840W Solar Panel (16pcs x 240W, 2pcs series, 8strings parallel)
	Max. system charging voltage	60.4V
	Max. system charging current	63.36A
PRNZ-C Inverter & Solar Controller	Inverter Type	Pure sine wave with utility charger
	Inverter output power	5000VA (4000W)
	Inverter output voltage	220V / 50Hz
	System DC Voltage	48V
	Controller discharge current	120A
Cabinet	Material	Steel box of zinc-plated and lacquer-coated
Battery	Type	Deep Cycle
	System Voltage	48V
	Capacity	12pcs 12V 200Ah
Operating Temperature		-20°C ~ +55°C
Packing (CBM / KG)	Solar panel	2.0CBM / 370KGS
	Control box	0.14CBM / 55KGS
	Battery	0.48CBM / 735KGS
	Whole System	2.62CBM / 1160KGS







Daily use reference

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
AIR CONDITIONER	1.5HP (1100W)	8hours	8800Wh
PRINTER	150W	1hours	150Wh
FAX MACHINE	100W	1hours	100Wh
PROJECTOR	300W	3hours	900Wh
TOTAL	4000W		20140Wh

Applicable scope



