PROFLEX®
New Energy driving future power

SOLAR SYSTEM

PR-SHS12000L Series

Design Backup Time 5-6Hrs

	Item	PR-SHS12000L
Solar Module	Maximum power at STC(pm)	9450W Solar Panel (45pcs x 210W, 9pcs series, 5strings parallel)
	Max. system charging voltage	299.7V
	Max. system charging current	41.6A
PRNZ-CL Inverter & Solar Controller	Inverter Type	Modular Low frequency pure sine wave
	Inverter output power	12000VA(10000W)
	Inverter output voltage	220V / 50Hz
	System DC Voltage	220V
	Controller discharge current	60A
Cabinet	Material	Steel box of zinc-plated and lacquer-coated
Battery	Type	Deep Cycle
	System Voltage	220V
	Capacity	110pcs 2V 300Ah
Operating Temperature		-20°C ~ +55°C
Packing (CBM / KG)	solar panel	5.0CBM / 785KGS
	Control box	1.75CBM / 120KGS
	Battery	1.5CBM / 2300KGS
	Whole System	8.25CBM / 3205KGS



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	4x1.5HP (4500W)	8hours	36000Wh
PRINTER	150W	1hours	150Wh
FAX MACHINE	100W	1hours	100Wh
PROJECTOR	300W	3hours	900Wh
MICRO OVEN	1000W	1hours	1000Wh
ELECTRIC KETTLE	500W	1hours	500Wh
ELECTRIC DRILL	200W	1hours	200Wh
ELECTRIC COOKER	300W	1hours	300Wh
COFFEE MAKER	500W	2hours	1000Wh
DVD PLAYER	50W	3hours	150Wh
Other appliance			
TOTAL	9950W		50490Wh

Applicable scope



