PROFLEX®
New Energy driving future power

SOLAR SYSTEM

PR-SHS15000L Series

Design Backup Time 5-6Hrs

	Item	PR-SHS15000L
Solar Module	Maximum power at STC(pm)	12000W Solar Panel (45pcs x 270W, 9pcs series, 5strings parallel)
	Max. system charging voltage	177.5V
	Max. system charging current	68.49A
PRNZ-CL Inverter & Solar Controller	Inverter Type	Modular Low frequency pure sine wave
	Inverter output power	15000VA
	Inverter output voltage	220V / 50Hz
	System DC Voltage	220V
	Controller discharge current	80A
Cabinet	Material	Steel box of zinc-plated and lacquer-coated
Battery	Type	Deep Cycle
	System Voltage	220V
	Capacity	2V 500Ah x 110pcs
Operating Temperature		-20°C ~ +55°C
Packing (CBM / KG)	Solar panel	5.67CBM 1500KGS
	Control box	1.00CBM 120KGS
	Battery	3.41CBM 3520KGS
	Whole System	10.08CBM 5140KGS



Daily use reference

Name of Load		Working Hours	Consumption
TV	4 x 120W	8hours	3840Wh
COMPUTER	4 x 150W	4hours	2400Wh
LIGHTING	2 x 150W	8hours	2400Wh
FAN	3 x 160W	12hours	5760Wh
FRIDGE	2 x 120W	24hours	2880Wh
WASHING MACHINE	2 x 300W	1hours	600Wh
WATER PUMP	1 x 1000W	2hours	2000Wh
HAIR DRIER	1 x 1000W	0.5hours	500Wh
AIR CONDITIONER	2 x 2.5HP	8hours	30000Wh
PRINTER	300W	1hours	300Wh
FAX MACHINE	200W	1hours	200Wh
PROJECTOR	600W	3hours	1800Wh
ELECTRIC KETTLE	1000W	1hours	1000Wh
ELECTRIC DRILL	400W	1hours	400Wh
ELECTRIC COOKER	1000W	1hours	1000Wh
DVD PLAYER	100W	3hours	300Wh
TOTAL	12000W		55380Wh

Applicable scope



