PROFLEX®
New Energy driving future power

SOLAR SYSTEM
PR-SHS500 Series

Design Backup Time 5-6Hrs

	Item	PR-SHS500
Solar Module	Maximum power at STC(pm)	300W Solar panel (4pcs 75W, 2pcs series, 2strings parallel)
	Max. system charging voltage	35.2V
	Max. system charging current	8.54A
PRNZ-C Inverter & Solar Controller	Inverter Type	Pure sine wave with utility charger
	Inverter output power	500VA (400W)
	Inverter output voltage	220V/50Hz
	System DC Voltage	24V
	Controller discharge current	20A
Cabinet	Material	Steel box of zinc-plated and lacquer-coated
Battery	Type	Deep Cycle
	System Voltage	24V
	Capacity	2pcs 12V 100AH
Operating Temperature		-20°C ~ +55°C
Packing (CBM / KG)	solar panel	0.16CBM / 40KGS
	Control box	0.054CBM /12KGS
	Battery	0.04CBM /62KGS
	Whole System	0.254CBM /114KGS





Daily use reference

Name of Load	Power	Working Hours	Consumption
TV	70W	4hours	280Wh
LAPTOP	60W	2hours	120Wh
LIGHTING	30W	6hours	180Wh
FAN	50W	6hours	300Wh
FRIDGE	80W	24hours	960Wh
TOTAL	290W		1840Wh



Applicable scope











