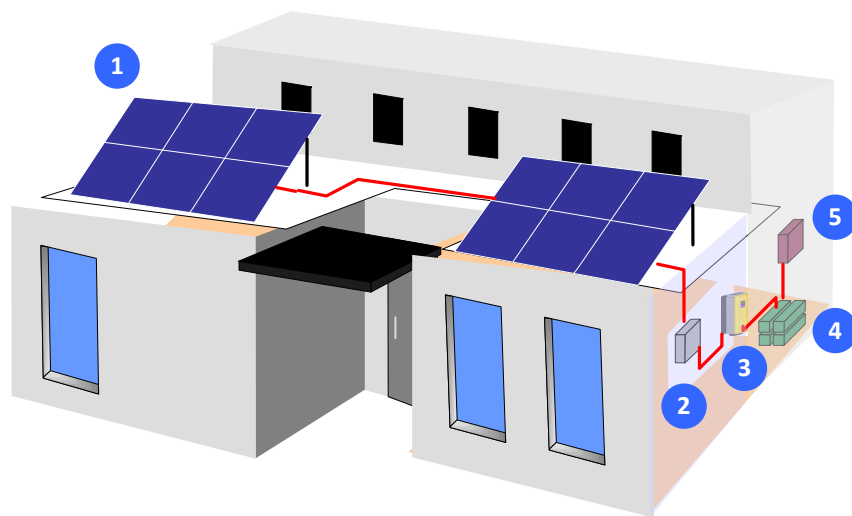


Standalone Solar Power Generation System



- 1 PV Panel 2 DC Protection Box 3 Solar Charge Controller 4 Battery 5 DC/AC Inverter

Features

- Off-grid power generation system with no utility needed
- PV module 20-year power generation guaranteed
- PV array rack safety-approved, rust-proof, corrosion-resistant and weather-proof
- Modularized design and easy installation
- Electricity stored in the daytime and consumed at night
- Reducing CO2 emissions

Service

- Installation /Testing /Training
- Structure Safety Certified
- 2-year system warranty



Component Specifications

PV Panel

Rated Power Output P _{mpp} :	200W
Operating voltage V _{mpp} :	26.16V
Operating current I _{mpp} :	7.72A
Open circuit voltage V _{oc} :	33.62V
Short circuit current I _{sc} :	8.27A
Safety certified :	IEC 61215 \ EN61730

Standalone Solar Charge Controller

Rated Power Output :	1000W/1600W
Input voltage :	60~150Vdc
Input current :	15A
Output voltage :	48V
MPPT efficiency :	90%
Charge efficiency :	85%
Protection class :	IP43
Charge method :	CC \ CV \ Floating

DC Protection Box

Surge absorber :	8/20 μ sec 20kA
Protection class :	IP 65
Dimension :	300x400x180 mm

DC/AC Inverter

Rated power output :	1500W
Input voltage :	42 ~ 60VDC
Output voltage :	110 or 220 VAC
Conversion efficiency :	90%
Over-load protection :	115% 180 sec 150% 10 sec

Solar Array Rack

Modularized components :	40 x 40 mm square pipe
Materials :	Aluminum pushes
Finish :	Anodic treatment>10 μ Acrylic baked varnish>10 μ
Screw accessories :	Stainless
Wind-pressure-resistant class :	17-class wind(structure technician certified)

A: Flat roof B: beveled roof

Model	PG-PVC-A01 PG-PVC-B01	PG-PVC-A02 PG-PVC-B02
PV array capacity	1kW	1.6kW
Area occupied	2.7 x 3m ²	2.7 x 5m ²
PV panels used	200W*5PCS	200W*8PCS
Solar charger	SCHG-481500	SCHG-481500
DC protection box	DCB-C1	DCB-C1
DC/AC inverter	1.5KW /110V	1.5KW /110V
Battery	48V /150AH	48V /200AH