

Solar Systems Isolated

VS-5000W

Visel paneles SA Off-grid Solar Power System converts solar energy to AC electric energy through solar module and inverter device, which can meet basic electricity demand for home lighting and appliances. Meantime, the DC electric energy from the solar system can supply to the DC facilities, such as mobile phone, lap-top computer, etc.

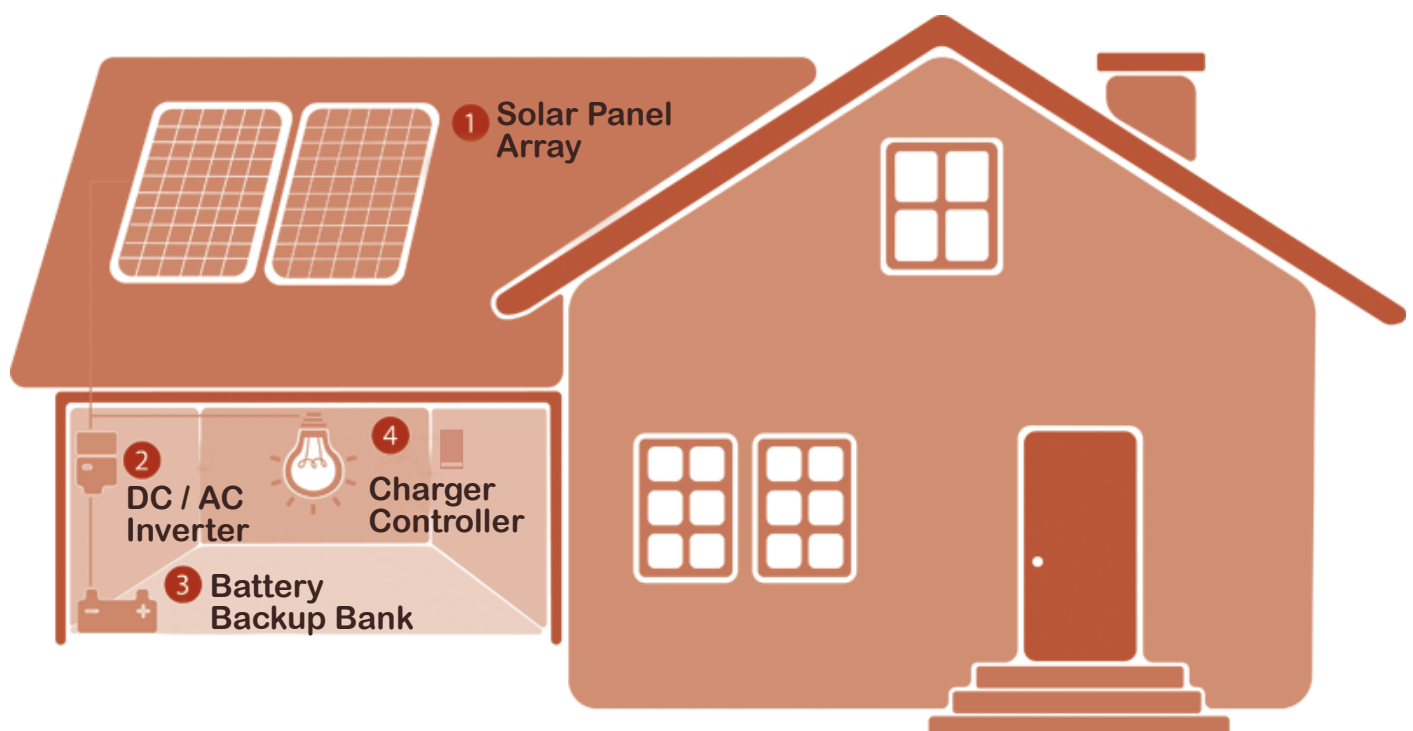
Off-grid Solar Power System can be widely used in many different places, such as solar family power supply, road monitoring system, tunnel power supply system, communication base station, forest fire prevention, environmental monitoring, grassland ranch, fishermen farming, border post and any places where have no electricity or are short of electricity.



Benefits

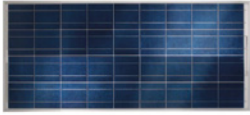
- Easy to Install.
- Long life.
- Totally self-sufficient
- Sustainable and non-polluting
- Stable and secure
- High performance
- Great value for money
- High range of applications
- Durable.

Solar Insulated Installation Kit



Components Solar Systems Isolated

VS-5000W



Solar Panel



Charger Controller



DC / AC Inverter



Battery



Cable 10mm
Cable 35mm

Components

Solar Panel	X15 - 300W
Charger Controller	X1 - 60A with display
DC / AC Inverter	X1 - 12V / 5000W
Battery	X8 - 1700Ah / 12V
Cable 10 mm	X100m
Cable 35 mm	X50m

Warranty

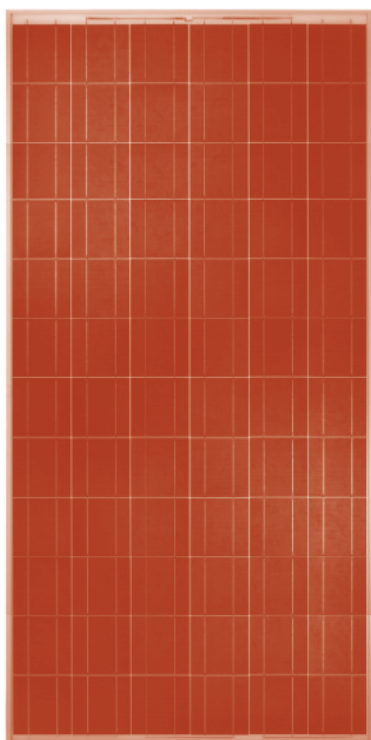
Solar Panel	10 year
Charger Controller	1 year
DC / AC Inverter	3 year
Battery	2 year
Cable 10 mm	1 year
Cable 35 mm	1 year

DESIGNED TO ILLUMINATE FOR SEVERAL HOURS A HOME WITH 25 BULBS OF LOW CONSUMPTION 15W AND DIVERSE ELECTRICAL CONSUMPTIONS (TELEVISION, FRIDGE, MICROWAVE, SMALL WATER PUMP, WASHING MACHINE, DISHWASHER, AIR CONDITIONER).

APPROXIMATE AUTONOMY: 4 / 5 HOURS FOR 2 DAYS

Components Solar Systems Isolated

Technical Characteristics



Solar Panel

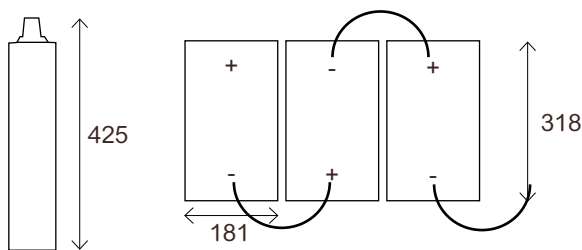
Max-Power Pm (W)	300
Power Tolerance (W)	0/+3%
Max-Power Voltage Vm (V)	36.40
Max-Power Current Im (A)	8.24
Short - Circuit Current Isc (A)	8.66
Open Circuit Voltage Voc (V)	45.00
Max-System Voltage (VDC)	1000
Cell Efficiency (%)	17.50
Module Efficiency (%)	15.97
Max. Series Fuse (A)	15
PM Temperature Coefficients (%/°C)	-0.408
Isc Temperature Coefficients (%/°C)	+0.045
Voc Temperature Coefficients (%/°C)	-0.270
NOCT Nominal Operating Cell Temperature	45±2°C
Dimension (mm)	1957x992x40
Solar Cell	72 units (6x12)
Type Cell (poly crystalline)	156x 156 mm
Weight (Kg)	22.5
Storage Temperature (°C)	-40~+85
Operating Temperature (°C)	-40~+85
Maxium snow load	5400Pa
Maximum wind load	2400 Pa

Components Solar Systems Isolated

Technical Characteristics

Battery

Rated Capacity C100 1.85V/C Ah	1700
Rated Capacity C10 1.85V/C Ah	1300
Acid included weight	52 Kg
Internal Resistance (month)	0.46
Short circuit current (A)	4350



Charger Controller

Voltage Configurations	12 / 24 VCC
Max. Set voltage in open circuit FV	55 VCC
Load / Charge current at 25 ° C	60 A CC
Peak current max	85 A
Maximum voltage drop across the controller	0.30 V
Normal operating consumption	15 ma
Normal consumption in the inactive state	3 ma
Specified temperature range	0°C to 40°C
Unit weight	3.0 lb
Dimensions (H x W x D) cm	25.4x12.7x6.35



DC / AC Inverter

Output continuous max. power	5000 W
Output surge power	9500 W
Converting max. efficiency	95%
Normal input voltage	24 V
Input voltage range	19 - 33 V
Input voltage	22 V
Output Frequency	50 60 Hz
Output wave form	Real sine wave
Idling current	25 W
Input low-voltage alarm voltage	10.5 V
Weight	63.9 lb
Dimensions (mm)	500 x 292 x 187

