Moving the sun
light to the world

VISEL
www.viselpaneles.com

Solar Systems Isolated

VS-1000W

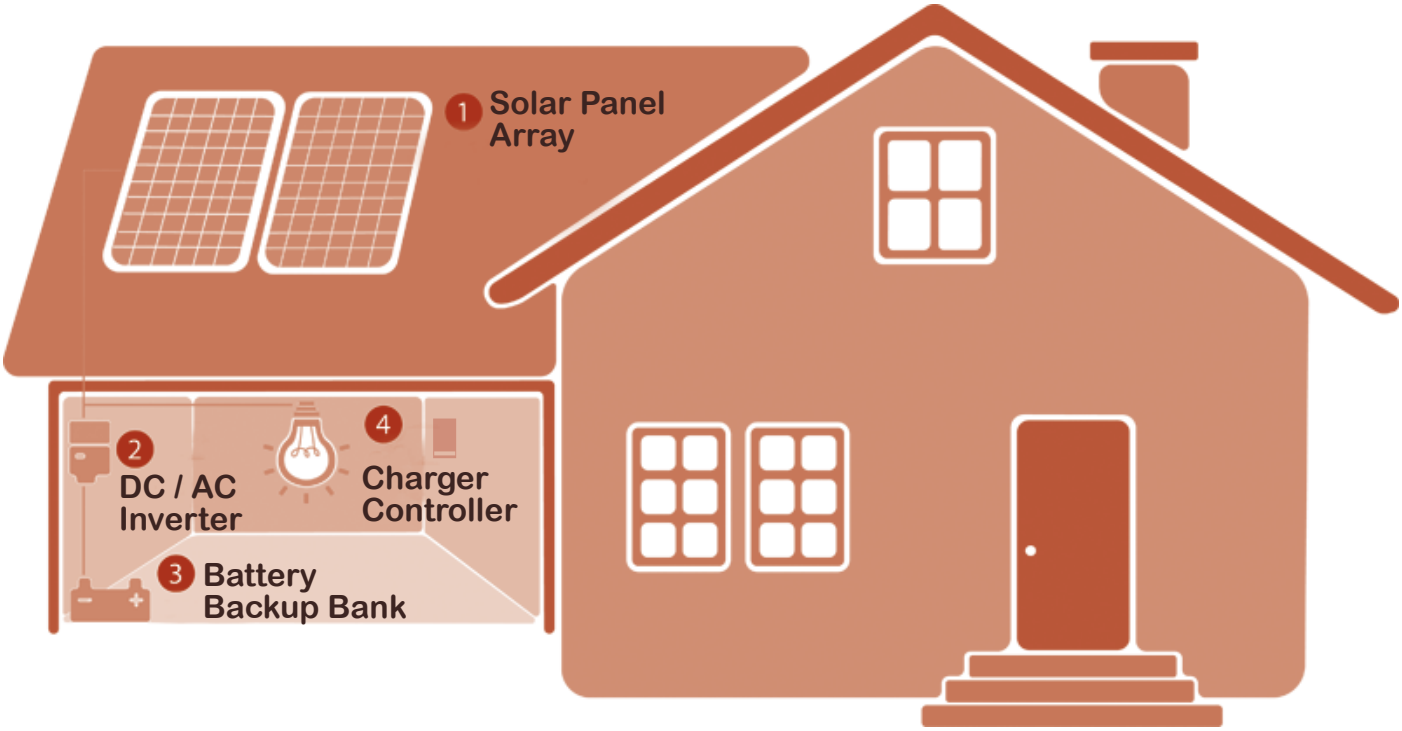
Visel paneles SA Off-grid Solar Power System converts solar energy to AC electric energy through solar module and inverter device, which can meet basic electricity demand for home lighting and appliances. Meantime, the DC electric energy from the solar system can supply to the DC facilities, such as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



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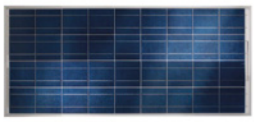
Components Solar Systems Isolated

VS-1000W



Solar Panel

Charger Controller

DC / AC Inverter

Battery

Cable 10mm
Cable 35mm

Components

Solar Panel	X6 - 150W
Charger Controller	X1 - 35A with display
DC / AC Inverter	X1 - 12V / 1000W
Battery	X2 - 376Ah / 12V
Cable 10 mm	X10m
Cable 35 mm	X5m

Warranty

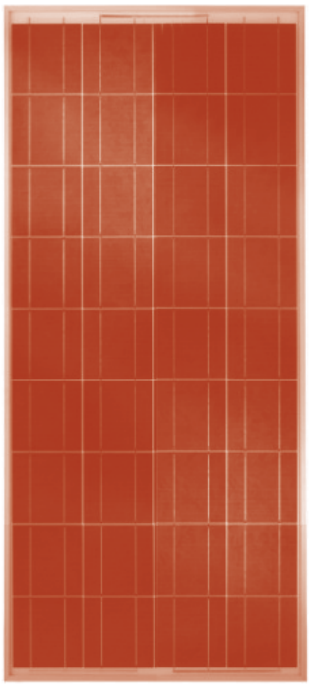
Solar Panel	10 year
Charger Controller	1 year
DC / AC Inverter	3 year
Battery	2 year
Cable 10 mm	1 year
Cable 35 mm	1 year

DESIGNED TO ILLUMINATE FOR SEVERAL HOURS A HOME WITH 7 BULBS OF LOW CONSUMPTION 11W AND CONSUMPTION OF SMALL APPLIANCES SUCH AS TELEVISION AND LAPTOP.

APPROXIMATE AUTONOMY: 3 / 5 HOURS FOR 2 DAYS

Components Solar Systems Isolated

Technical Characteristics



Solar Panel

Max-Power Pm (W)	150
Power Tolerance (W)	0/+3%
Max-Power Voltage Vm (V)	18.72
Max-Power Current Im (A)	8.10
Short - Circuit Current Isc (A)	8.62
Open Circuit Voltage Voc (V)	22.60
Max-System Voltage (VDC)	1000
Cell Efficiency (%)	16.87
Module Efficiency (%)	15.12
Max. Series Fuse (A)	15
PM Temperature Coefficients (%/ºC)	-0.408
Isc Temperature Coefficients (%/ºC)	+0.045
Voc Temperature Coefficients (%/ºC)	-0.270
NOCT Nominal Operating Cell Temperature	45±2ºC
Dimension (mm)	1466x676x35
Solar Cell	36 units (4x9)
Type Cell (poly crystalline)	156x 156 mm
Weight (Kg)	11.5
Storage Temperature (ºC)	-40~+85
Operating Temperature (ºC)	-40~+85
Maxium snow load	5400Pa
Maximum wind load	2400 Pa

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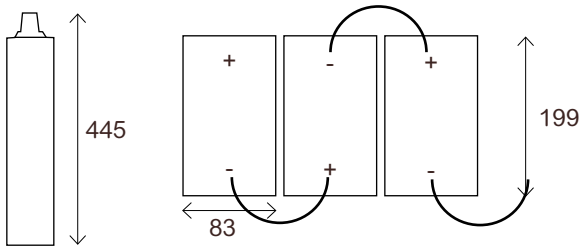
Components Solar Systems Isolated

Technical Characteristics

Battery

Rated Capacity C100 1.85V/C Ah	369
Rated Capacity C120 1.85V/C Ah	376
Acid included weight	17.3 Kgs
Internal Resistance (month)	0.70
Short circuit current (A)	2900



Charger Controller

Voltage Configurations	12 / 24 VCC
Max. Set voltage in open circuit FV	55 VCC
Load / Charge current at 25 ° C	35 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	0ºC to 40ºC
Unit weight	2,5 lb
Dimensions (H x W x D) cm	20.3x12.7x6.4

DC / AC Inverter

Output continuous max. power	1000 W
Output surge power	230V
Converting max. efficiency	1500 W
Normal input voltage	90%
Input voltage range	10 - 16 V
Input voltage	12 V
Output Frequency	50 ± 0.5 Hz
Output wave form	Real sine wave
Idling current	< 1.5 W
Input low-voltage alarm voltage	11VCC
Weight	15,4 lb
Dimensions (mm)	115 x 280 x 390