# Moving the sun light to the world



## Solar Systems Isolated

VS-3000W

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.

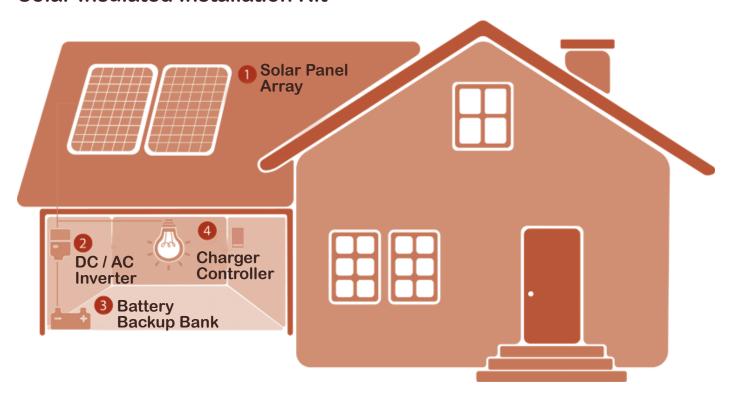
Off-grid Solar Power System can be widely used in many different places, such as solar family power supply, road monitoring system, tunnel power supply system, communication base station, forest fire prevention, environmental monitoring, grassland ranch, fishermen farming, border post and any places 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-3000W











**Solar Panel** 

Charger Controller

DC / AC Inverter

**Battery** 

Cable 10mm Cable 35mm

## Components

Solar Panel	X10 - 250W
Charger Controller	X1 - 60A with display
DC / AC Inverter	X1 - 12V / 3000W
Battery	X6 - 542Ah / 12V
Cable 10 mm	X50m
Cable 35 mm	X20m

## Warranty

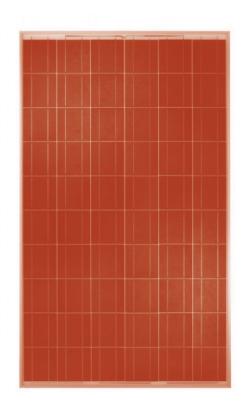
Solar Panel	10 year
Charger Controller	1 year
DC / AC Inverter	3 year
Battery	2 year
Cable 10 mm	1 year
Cable 35 mm	1 vear

DESIGNED TO ILLUMINATE FOR SEVERAL HOURS A HOME WITH 20 BULBS OF LOW CONSUMPTION 15W AND DIVERSE ELECTRICAL CONSUMPTIONS (TELEVISION, FRIDGE, MICROWAVE, SMALL WATER PUMP, WASHING MACHINE).

APPROXIMATE AUTONOMY: 3 / 4 HOURS FOR 2 DAYS

## **Components Solar Systems Isolated**

**Technical Characteristics** 



#### Solar Panel

Type Cell (poly crystalline)  Weight (Kg)  Storage Temperature (°C)  Operating Temperature (°C)  Maxium snow load  156x 156 mm  17.5  -40~+85  5400Pa	Max-Power Pm (W)	250
Max-Power Current Im (A)  Short - Circuit Current Isc (A)  Open Circuit Voltage Voc (V)  37.65  Max-System Voltage (VDC)  Cell Efficiency (%)  Module Efficiency (%)  Max. Series Fuse (A)  PM Temperature Coefficients (%/°C)  Isc Temperature Coefficients (%/°C)  Voc Temperature Coefficients (%/°C)  NOCT Nominal Operating Cell Temperature  Dimension (mm)  Solar Cell  Type Cell (poly crystalline)  Weight (Kg)  17.5  Storage Temperature (°C)  Max. Series Fuse (A)  15  8.92  8.92  8.92  8.92  1000  1000  16.97  1000  -0.27  15  40.408  15  15  Storage Temperature (°C)  -40~+85  Maxium snow load	Power Tolerance (W)	0/+3%
Short - Circuit Current Isc (A)  Open Circuit Voltage Voc (V)  Max-System Voltage (VDC)  Cell Efficiency (%)  Module Efficiency (%)  Max. Series Fuse (A)  PM Temperature Coefficients (%/°C)  Isc Temperature Coefficients (%/°C)  Voc Temperature Coefficients (%/°C)  NOCT Nominal Operating Cell Temperature  Dimension (mm)  Solar Cell  Type Cell (poly crystalline)  Weight (Kg)  T7.5  Storage Temperature (°C)  Maxium snow load  1000  1000  15.28  15.28  15  15  15  15  15  15  15  15  15  1	Max-Power Voltage Vm (V)	29.94
Open Circuit Voltage Voc (V)  Max-System Voltage (VDC)  Cell Efficiency (%)  Module Efficiency (%)  Max. Series Fuse (A)  PM Temperature Coefficients (%/°C)  Isc Temperature Coefficients (%/°C)  Voc Temperature Coefficients (%/°C)  NOCT Nominal Operating Cell Temperature  Dimension (mm)  Solar Cell  Type Cell (poly crystalline)  Weight (Kg)  Type Temperature (°C)  Operating Temperature (°C)  Maxium snow load  1000  15.28  15.28  15.28  15.28  15.28  15.28  15.29  -0.408  Isc Temperature Coefficients (%/°C)  -0.408  15.200  -0.408  Isc Temperature (°C)  -0.270	Max-Power Current Im (A)	8.35
Max-System Voltage (VDC)  Cell Efficiency (%)  Module Efficiency (%)  Max. Series Fuse (A)  PM Temperature Coefficients (%/°C)  Isc Temperature Coefficients (%/°C)  Voc Temperature Coefficients (%/°C)  NOCT Nominal Operating Cell Temperature  Dimension (mm)  Solar Cell  Type Cell (poly crystalline)  Weight (Kg)  T7.5  Storage Temperature (°C)  Maxium snow load  16.97  1000  -0.27  -0.408  15  -0.408  15  -0.270	Short - Circuit Current Isc (A)	8.92
Cell Efficiency (%) 16.97  Module Efficiency (%) 15.28  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) 1640x990x40  Solar Cell 60 units (6x10)  Type Cell (poly crystalline) 156x 156 mm  Weight (Kg) 17.5  Storage Temperature (°C) -40~+85  Operating Temperature (°C) -40~+85  Maxium snow load 5400Pa	Open Circuit Voltage Voc (V)	37.65
Module Efficiency (%)  Max. Series Fuse (A)  PM Temperature Coefficients (%/°C)  Isc Temperature Coefficients (%/°C)  Voc Temperature Coefficients (%/°C)  NOCT Nominal Operating Cell Temperature  Dimension (mm)  Solar Cell  Type Cell (poly crystalline)  Weight (Kg)  Storage Temperature (°C)  Maxium snow load  15.28  15.29  16.40  17.5  1	Max-System Voltage (VDC)	1000
Max. Series Fuse (A)  PM Temperature Coefficients (%/°C)  Isc Temperature Coefficients (%/°C)  Voc Temperature Coefficients (%/°C)  NOCT Nominal Operating Cell Temperature  Dimension (mm)  Solar Cell  Type Cell (poly crystalline)  Weight (Kg)  Storage Temperature (°C)  Maxium snow load  15  -0.408  -0.408  -0.408  -0.270  -0	Cell Efficiency (%)	16.97
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) 1640x990x40  Solar Cell 60 units (6x10)  Type Cell (poly crystalline) 156x 156 mm  Weight (Kg) 17.5  Storage Temperature (°C) -40~+85  Operating Temperature (°C) -40~+85  Maxium snow load 5400Pa	Module Efficiency (%)	15.28
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Voc Temperature Coefficients (%/°C)-0.270NOCT Nominal Operating Cell Temperature45±2°CDimension (mm)1640x990x40Solar Cell60 units (6x10)Type Cell (poly crystalline)156x 156 mmWeight (Kg)17.5Storage Temperature (°C)-40~+85Operating Temperature (°C)-40~+85Maxium snow load5400Pa	PM Temperature Coefficients (%/°C)	-0.408
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Weight (Kg) 17.5 Storage Temperature (°C) -40~+85 Operating Temperature (°C) -40~+85 Maxium snow load 5400Pa	Solar Cell	60 units (6x10)
Storage Temperature (°C)  -40~+85  Operating Temperature (°C)  Maxium snow load  -40~+85  5400Pa	Type Cell (poly crystalline)	156x 156 mm
Operating Temperature (°C) -40~+85 Maxium snow load 5400Pa	Weight (Kg)	17.5
Maxium snow load 5400Pa	Storage Temperature (°C)	-40~+85
	Operating Temperature (°C)	-40~+85
Maximum wind load 2400 Pa	Maxium snow load	5400Pa
Waximum Wina load 2400 La	Maximum wind load	2400 Pa

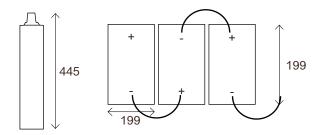


## **Components Solar Systems Isolated**

## **Technical Characteristics**

## Battery

Rated Capacity C100 1.85V/C Ah	533
Rated Capacity C120 1.85V/C Ah	542
Acid included weight	24.7 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	3000 W
Output surge power	6000 W
Converting max. efficiency	≥93%
Normal input voltage	24 V
Input voltage range	20 - 30 V
Input voltage	12 V
Output Frequency	50 ± 3 Hz
Output wave form	Real sine wave
Idling current	< 1.2 A
Input low-voltage alarm voltage	10.5 V
Weight	39.7 lb
Dimensions (mm)	362 x 258 x 218

