

Sunlink Energy-Customized Solar Power Solutions;

There are three types of solar power supply system solutions, off-grid/ grid tied and portable solar kit. Which can all be supplied by Sunlink Energy in complete pack with optimum system configuration to satisfy clients' any customized requirements.



2KW on remote vilas 4KW for communication 1.5KW for residence



Why We Choose Off-Grid system?

Off-grid solar power supply system is mainly used for application with relatively small power consumption, and the areas have no grid network coverage, or grid power is in serious unstable or outage condition.

Widely used for power supply of residence, remote villas, resorts, island, villages, water pumping, bill board lighting, communication base, camera monitoring, and whatever cases which are in need of power.



5KW for resorts

3.5KW for house in mountain

Advantages;

- The solar system provides a stand-alone power supply for all users, which is independent, reliable and stable.
- Users shall not rely on grid power any more.
- The system operates for quite long service time, with little maintenance.
- No bills for electricity environment friendly.

Off-Grid Solar Power System Sketch:

SOLAR PANEL

Solar modules or photovoltaic (PV) panels are the major components of the systems. The key ingredient is silicon, a semi-conductor that converts sunlight into electricity. Panels are typically polycrystalline or mono-crystalline.

SOLAR CONTROLLER;

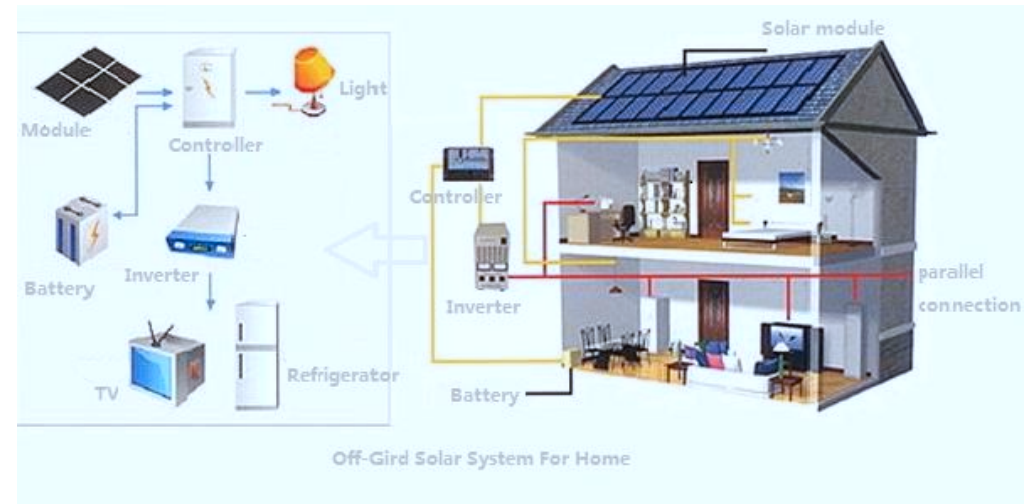
It can regulate and control the generated power to stable current and stable voltage. On one hand, it send stable electric power to AC or DC loads, on the other hand, it store the superfluous energy into battery. Additionally, it have protection function of overcharge and over-discharge which have a big effect ion on lifetime of battery and finally effect the stability and reliability of this system.

INVERTER

Inverters transform DC electricity from your solar panels into AC electricity to power your home or business.

ACCUMULATOR (BATTERY) ;

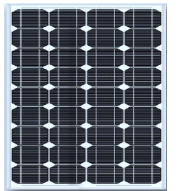





Batteries can be used to store energy and for power backup.



What should we know before to design a system?

1. What's the total power consumption per day for each user?

$$***\text{Power consumption (WH/day)} = \text{Power of Load 1 (w)} \times \text{Working Time (h)} + \text{Power of Load 2 (w)} \times \text{Working Time (h)} + \dots$$
2. Do you need an off-grid system or on-grid system? (depending on whether there is grid network in local location)
3. For off-grid system, how many continuous days do you need the system to work in a windless and non-sunshine condition? (Battery capacity is based on this data)

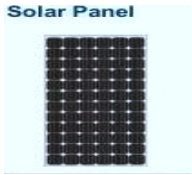





	<p>Mono-crystalline or polycrystalline Max Power: 125W; Vmp: 12.2V, Imp 6.98A Size: 1483*665*35mm; Tolerance: 0 to +5% Weight: 13KG 25 years power output warranty</p>	<p>4/pcs</p>
<p>Controller</p> 	<p>24V 20A, PWM charging mode, intelligent control Temperature compensation, various protection 2 years warranty</p>	<p>1 set</p>
<p>Inverter</p> 	<p>DC 24V input, AC220V or 110V 1-phase output; Output Power: 1KW; True sine-wave, off-grid type MPPT automatic power tracking High inverting efficiency up to 90%; Various protections Warranty: 2 years</p>	<p>1 set</p>
<p>Battery</p> 	<p>12V/ 150AH, lead-acid battery Fully sealed, deep cycle, free maintenance Service Life: 5-6 years; 2 years Warranty</p>	<p>2/pcs</p>
<p>Solar Panel Rack</p> 	<p>Standing-Pole Type Rack Steel material, galvanized treatment No welding/ cutting at site, easy mounting More options to select; Slope Roof or Flat Roof</p>	<p>1 set</p>
<p>Cables</p> 	<p>International Standard, with specification Suitable for solar system, RVV series</p>	<p>50m</p>

500W off-grid system Case

Solar Panel Power: 500W
Suitable Daily Consumption: Less 1600WH
Allowable Max Loads Power: 1KW

- Price: \$1999 for whole system**
- Payment Term: 20% DP and 80% T/T against B/L**
- Delivery Time : 10-15 days after confirmed your order**
- Warranty/ After Sales Service: 25 years**

- Remark:
- 1) Above System configuration is for reference. It can be adjusted base on actual condition and requirement.
 - 2) Pictures shown are only for reference.
 - 3) Power output data is base on areas with daily average peak power of 4.5 hours.
 - 4) The battery capacity is designed for power storage of 1.5-2 days PV output
 - 5) solar panel rack can be specially designed base on site condition

<p>Solar Panel</p> 	<p>monocrystalline or polycrystalline Max Power: 250W; Vmp: 34.7V, Imp 7.23A Size: 1652*993*40mm; Tolerance: 0 to +5% Weight: 20KG 25 years power output warranty</p>	<p>4/pcs</p>
<p>Controller</p> 	<p>48V 20A, PWM charging mode, intelligent control Temperature compensation, various protection 2 years warranty</p>	<p>1 set</p>
<p>Inverter</p> 	<p>DC 48V input, AC220V or 110V 1-phase output; Output Power: 2KW; True sine-wave, off-grid type MPPT automatic power tracking High inverting efficiency up to 90%; Various protections Warranty: 2 years</p>	<p>1 set</p>
<p>Battery</p> 	<p>12V/ 150AH, lead-acid battery Fully sealed, deep cycle, free maintenance Service Life: 5-6 years; 2 years Warranty</p>	<p>4/pcs</p>
<p>Solar Panel Rack</p> 	<p>Slope Roof Type Rack Steel material, galvanized treatment No welding/ cutting at site, easy mounting More options to select; Standing-Pole or Flat Roof</p>	<p>1 set</p>
<p>Cables</p> 	<p>International Standard, with specification Suitable for solar system, RVV series</p>	<p>80m</p>

1000W off-grid system Case

Solar Panel Power: 1000W
Suitable Daily Consumption: Less 3200WH
Allowable Max Loads Power: 2KW

Price: \$2699 for whole system

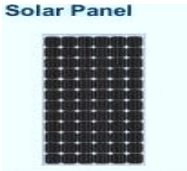





Payment Term: 20% DP and 80% T/T against B/L

Delivery Time: 10-15 days after confirmed order

Warranty/ After Sales Service: 25 years

Remark:

- 6) Above System configuration is for reference. It can be adjusted base on actual condition and requirement.
- 7) Pictures shown are only for reference.
- 8) Power output data is base on areas with daily average peak power of 4.5 hours.
- 9) The battery capacity is designed for power storage of 1.5-2 days PV output
- 10) solar panel rack can be specially designed base on site condition

 <p>Solar Panel</p>	<p>monocrystalline or polycrystalline Max Power: 250W; Vmp: 34.7V, Imp 7.23A Size: 1652*993*40mm; Tolerance: 0 to +5% Weight: 20KG 25 years power output warranty</p>	<p>8/pcs</p>
 <p>Controller</p>	<p>48V, 40A, PWM charging mode, intelligent control Temperature compensation, various protection 2 years warranty</p>	<p>1 set</p>
 <p>Inverter</p>	<p>DC 48V input, AC220V or 110V 1-phase output; Output Power: 3KW; True sine-wave, off-grid type MPPT automatic power tracking High inverting efficiency up to 90%; Various protections Warranty: 2 years</p>	<p>1 set</p>
 <p>Battery</p>	<p>12V/ 150AH, lead-acid battery Fully sealed, deep cycle, free maintenance Service Life: 5-6 years; 2 years Warranty</p>	<p>8/pcs</p>
 <p>Solar Panel Rack</p>	<p>Slope Roof Type Rack Steel material, galvanized treatment No welding/ cutting at site, easy mounting More options to select; Standing-Pole or Flat Roof</p>	<p>1 set</p>
 <p>Cables</p>	<p>International Standard, with specification Suitable for solar system, RVV series</p>	<p>80m</p>

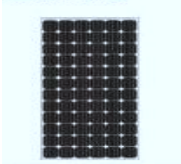



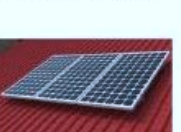

2000W off-grid system Case

Solar Panel Power: 2000W
Suitable Daily Consumption: Less 6500WH
Allowable Max Loads Power: 3KW

- Price: \$5690 for whole system**
- Payment Term: 20% DP and 80% T/T against B/L**
- Delivery Time: 10-15 days after confirmed order**
- Warranty/ After Sales Service: 25 years**

Remark:

- 11) Above System configuration is for reference. It can be adjusted base on actual condition and requirement.
- 12) Pictures shown are only for reference.
- 13) Power output data is base on areas with daily average peak power of 4.5 hours.
- 14) The battery capacity is designed for power storage of 1.5-2 days PV output
- 15) solar panel rack can be specially designed base on site condition

	<p>Mono-crystalline or polycrystalline Max Power: 190W; Vmp: 36.2V, Imp 5.11A Size: 1580*808*40mm; Tolerance: 0 to +5% Weight: 15KG 25 years power output warranty</p>	<p>16/pcs</p>
	<p>96V 30A, PWM charging mode, intelligent control Temperature compensation, various protection 2 years warranty</p>	<p>1 set</p>
	<p>DC 96V input, AC220V or 110V 1-phase output; Output Power: 5KW; True sine-wave, off-grid type MPPT automatic power tracking High inverting efficiency up to 90%; Various protections Warranty: 2 years</p>	<p>1 set</p>
	<p>12V/ 120AH, lead-acid battery Fully sealed, deep cycle, free maintenance Service Life: 5-6 years; 2 years Warranty</p>	<p>16/pcs</p>
	<p>Slope Roof Type Rack Steel material, galvanized treatment No welding/ cutting at site, easy mounting More options to select; Standing-Pole or Flat Roof</p>	<p>1 set</p>
	<p>International Standard, with specification Suitable for solar system, RVV series</p>	<p>100m</p>

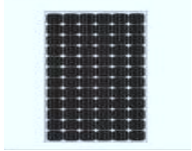




3040W off-grid system Case

Solar Panel Power: 3040W
Suitable Daily Consumption: Less 10KWH
Allowable Max Loads Power: 5KW

- Price: \$7200 for whole system**
- Payment Term: 20% DP and 80% T/T against B/L**
- Delivery Time: 10-15 days after confirmed order**
- Warranty/ After Sales Service: 25 years**

Remark:

- 16) Above System configuration is for reference. It can be adjusted base on actual condition and requirement.
- 17) Pictures shown are only for reference.
- 18) Power output data is base on areas with daily average peak power of 4.5 hours.
- 19) The battery capacity is designed for power storage of 1.5-2 days PV output
- 20) solar panel rack can be specially designed base on site condition

<p>Solar Panel</p> 	<p>Mono-crystalline or polycrystalline Max Power: 250W; Vmp: 34.7V, Imp 7.23A Size: 1652*993*40mm; Tolerance: 0 to +5% Weight: 20KG 25 years power output warranty</p>	<p>16/pcs</p>
<p>Controller</p> 	<p>96V, 40A, PWM charging mode, intelligent control Temperature compensation, various protection 2 years warranty</p>	<p>1 set</p>
<p>Inverter</p> 	<p>DC 96V input, AC220V or 110V 1-phase output; Output Power: 5KW; True sine-wave, off-grid type MPPT automatic power tracking High inverting efficiency up to 90%; Various protections Warranty: 2 years</p>	<p>1 set</p>
<p>Battery</p> 	<p>12V/ 120AH, lead-acid battery Fully sealed, deep cycle, free maintenance Service Life: 5-6 years; 2 years Warranty</p>	<p>22/pcs</p>
<p>Solar Panel Rack</p> 	<p>Slope Roof Type Rack Steel material, galvanized treatment No welding/ cutting at site, easy mounting More options to select; Standing-Pole or Flat Roof</p>	<p>1 set</p>
<p>Cables</p> 	<p>International Standard, with specification Suitable for solar system, RVV series</p>	<p>120m</p>

4000W off-grid system Case

Solar Panel Power: 4000W
Suitable Daily Consumption: Less 13KWH
Allowable Max Loads Power: 4KW

Price: \$8800 For whole system

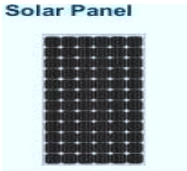



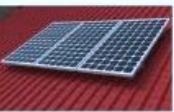

Payment Term: 20% DP and 80% T/T against B/L

Delivery Time: 15-18 days after confirmed order

Warranty/ After Sales Service: 25 years

Remark:

- 21) Above System configuration is for reference. It can be adjusted base on actual condition and requirement.
- 22) Pictures shown are only for reference.
- 23) Power output data is base on areas with daily average peak power of 4.5 hours.
- 24) The battery capacity is designed for power storage of 1.5-2 days PV output
- 25) solar panel rack can be specially designed base on site condition.

	<p>Mono-crystalline or polycrystalline Max Power: 250W; Vmp: 34.7V, Imp 7.23A Size: 1652*993*40mm; Tolerance: 0 to +5% Weight: 20KG 25 years power output warranty</p>	<p>20/pcs</p>
	<p>120V, 40A, PWM charging mode, intelligent control Temperature compensation, various protection 2 years warranty</p>	<p>1 set</p>
	<p>DC 120V input, AC220V or 110V 1-phase output; Output Power: 5KW; True sine-wave, off-grid type MPPT automatic power tracking High inverting efficiency up to 90%; Various protections Warranty: 2 years</p>	<p>1 set</p>
	<p>12V/ 150AH, lead-acid battery Fully sealed, deep cycle, free maintenance Service Life: 5-6 years; 2 years Warranty</p>	<p>22/pcs</p>
	<p>Slope Roof Type Rack Steel material, galvanized treatment No welding/ cutting at site, easy mounting More options to select; Standing-Pole or Flat Roof</p>	<p>1 set</p>
	<p>International Standard, with specification Suitable for solar system, RVV series</p>	<p>150m</p>

5000W off-grid system Case

Solar Panel Power: 5000W
Suitable Daily Consumption: Less 17KWH
Allowable Max Loads Power: 5KW

Price : \$9200 For Whole System

Payment Term: 20% DP and 80% T/T against B/L

Delivery Time: 15-18 days after confirmed order

Warranty/ After Sales Service: 25 years

Remark:





26) Above System configuration is for reference. It can be adjusted base on actual condition and requirement.

27) Pictures shown are only for reference.

28) Power output data is base on areas with daily average peak power of 4.5 hours.

29) The battery capacity is designed for power storage of 1.5-2 days PV output

30) solar panel rack can be specially designed base on site condition

	<p>Mono-crystalline or polycrystalline Max Power: 200W Poly ; Vmp: 28.6V, Imp 6.99A Size: 1652*993*40mm; Tolerance: 0 to +5% Weight: 20KG 25 years power output warranty</p>	<p>30/pcs</p>
<p>Controller</p> 	<p>120V, 50A, PWM charging mode, intelligent control Temperature compensation, various protection 2 years warranty</p>	<p>1 set</p>
<p>Inverter</p> 	<p>DC 120V input, AC220V or 110V 1-phase output; Output Power: 6KW; True sine-wave, off-grid type MPPT automatic power tracking High inverting efficiency up to 90%; Various protections Warranty: 2 years</p>	<p>1 set</p>
<p>Battery</p> 	<p>12V/ 160AH, lead-acid battery Fully sealed, deep cycle, free maintenance Service Life: 5-6 years; 2 years Warranty</p>	<p>24/pcs</p>
<p>Solar Panel Rack</p> 	<p>Slope Roof Type Rack Steel material, galvanized treatment No welding/ cutting at site, easy mounting More options to select; Standing-Pole or Flat Roof</p>	<p>1 set</p>
<p>Cables</p> 	<p>International Standard, with specification Suitable for solar system, RVV series</p>	<p>160m</p>

6000W off-grid system Case

Solar Panel Power: 6000W
Suitable Daily Consumption: Less 19KWH
Allowable Max Loads Power: 6KW

Price : \$11800 For Whole System

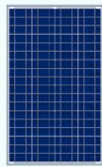

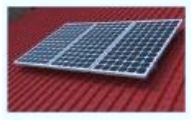

Payment Term: 20% DP and 80% T/T against B/L

Delivery Time: 15-18 days after confirmed order

Warranty/ After Sales Service: 25 years

Remark:

- 31) Above System configuration is for reference. It can be adjusted base on actual condition and requirement.
- 32) Pictures shown are only for reference.
- 33) Power output data is base on areas with daily average peak power of 4.5 hours.
- 34) The battery capacity is designed for power storage of 1.5-2 days PV output
- 35) solar panel rack can be specially designed base on site condition

	<p>Mono-crystalline or polycrystalline Max Power: 235W Poly ; Vmp: 30V, Imp 7.97A Size: 1652*993*40mm; Tolerance: 0 to +5% Weight: 20KG 25 years power output warranty</p>	<p>30/pcs</p>
<p>Controller</p> 	<p>120V, 60A, PWM charging mode, intelligent control Temperature compensation, various protection 2 years warranty</p>	<p>1 set</p>
<p>Inverter</p> 	<p>DC 120V input, AC220V or 110V 1-phase output; Output Power: 7KW; True sine-wave, off-grid type MPPT automatic power tracking High inverting efficiency up to 90%; Various protections Warranty: 2 years</p>	<p>1 set</p>
<p>Battery</p> 	<p>24V/ 110AH, lead-acid battery Fully sealed, deep cycle, free maintenance Service Life: 5-6 years; 2 years Warranty</p>	<p>20/pcs</p>
<p>Solar Panel Rack</p> 	<p>Slope Roof Type Rack Steel material, galvanized treatment No welding/ cutting at site, easy mounting More options to select; Standing-Pole or Flat Roof</p>	<p>1 set</p>
<p>Cables</p> 	<p>International Standard, with specification Suitable for solar system, RVV series</p>	<p>180m</p>

7050W off-grid system Case

Solar Panel Power: 7000W
Suitable Daily Consumption: Less 22.8KWH
Allowable Max Loads Power: 7KW

- Price : \$13500 For Whole System**
- Payment Term: 20% DP and 80% T/T against B/L**
- Delivery Time: 15-18 days after confirmed order**
- Warranty/ After Sales Service: 25 years**

Remark:

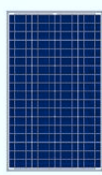


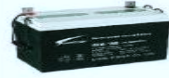
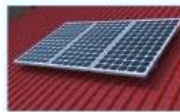

36) Above System configuration is for reference. It can be adjusted base on actual condition and requirement.

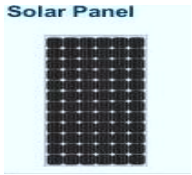





37) Pictures shown are only for reference.

38) Power output data is base on areas with daily average peak power of 4.5 hours.

39) The battery capacity is designed for power storage of 1.5-2 days PV output

40) solar panel rack can be specially designed base on site condition

	<p>Mono-crystalline or polycrystalline Max Power: 200W Poly ; Vmp: 28.6V, Imp 6.99A Size: 1652*993*40mm; Tolerance: 0 to +5% Weight: 20KG 25 years power output warranty</p>	<p>40/pcs</p>	<p>8000W off-grid system Case</p> <p>Solar Panel Power: 8000W Suitable Daily Consumption: Less 26KWH Allowable Max Loads Power: 8KW</p> <p>Price : \$15000 For Whole System</p> <p>Payment Term: 20% DP and 80% T/T against B/L</p> <p>Delivery Time: 15-18 days after confirmed order</p> <p>Warranty/ After Sales Service: 25 years</p> <p>Remark: 41)Above System configuration is for reference. It can be adjusted base on actual condition and requirement. 42)Pictures shown are only for reference. 43)Power output data is base on areas with daily average peak power of 4.5 hours. 44)The battery capacity is designed for power storage of 1.5-2 days PV output 45)solar panel rack can be specially designed base on site condition</p>
<p>Controller</p> 	<p>120V, 80A, PWM charging mode, intelligent control Temperature compensation, various protection 2 years warranty</p>	<p>1 set</p>	
<p>Inverter</p> 	<p>DC 120V input, AC220V or 110V 1-phase output; Output Power: 8KW; True sine-wave, off-grid type MPPT automatic power tracking High inverting efficiency up to 90%; Various protections Warranty: 2 years</p>	<p>1 set</p>	
<p>Battery</p> 	<p>12V/ 170AH, lead-acid battery Fully sealed, deep cycle, free maintenance Service Life: 5-6 years; 2 years Warranty</p>	<p>30/pcs</p>	
<p>Solar Panel Rack</p> 	<p>Slope Roof Type Rack Steel material, galvanized treatment No welding/ cutting at site, easy mounting More options to select; Standing-Pole or Flat Roof</p>	<p>1 set</p>	
<p>Cables</p> 	<p>International Standard, with specification Suitable for solar system, RVV series</p>	<p>160m</p>	

 <p>Solar Panel</p>	<p>Mono-crystalline or polycrystalline Max Power: 250W; Vmp: 34.7V, Imp 7.23A Size: 1652*993*40mm; Tolerance: 0 to +5% Weight: 20KG 25 years power output warranty</p>	<p>36/pcs</p>
 <p>Controller</p>	<p>120V, 80A, PWM charging mode, intelligent control Temperature compensation, various protection 2 years warranty</p>	<p>1 set</p>
 <p>Inverter</p>	<p>DC 120V input, AC220V or 110V 1-phase output; Output Power: 9KW; True sine-wave, off-grid type MPPT automatic power tracking High inverting efficiency up to 90%; Various protections Warranty: 2 years</p>	<p>1 set</p>
 <p>Battery</p>	<p>24V/ 160AH, lead-acid battery Fully sealed, deep cycle, free maintenance Service Life: 5-6 years; 2 years Warranty</p>	<p>18/pcs</p>
 <p>Solar Panel Rack</p>	<p>Slope Roof Type Rack Steel material, galvanized treatment No welding/ cutting at site, easy mounting More options to select; Standing-Pole or Flat Roof</p>	<p>1 set</p>
 <p>Cables</p>	<p>International Standard, with specification Suitable for solar system, RVV series</p>	<p>200m</p>

9000W off-grid system Case

Solar Panel Power: 9000W
Suitable Daily Consumption: Less 29.4KWH
Allowable Max Loads Power: 9KW

Price : \$17300 For Whole System





Payment Term: 20% DP and 80% T/T against B/L

Delivery Time: 15-18 days after confirmed order

Warranty/ After Sales Service: 25 years

Remark:

- 46) Above System configuration is for reference. It can be adjusted base on actual condition and requirement.
- 47) Pictures shown are only for reference.
- 48) Power output data is base on areas with daily average peak power of 4.5 hours.
- 49) The battery capacity is designed for power storage of 1.5-2 days PV output
- 50) solar panel rack can be specially designed base on site condition.

	<p>Mono-crystalline or polycrystalline Max Power: 250W; Vmp: 34.7V, Imp 7.23A Size: 1652*993*40mm; Tolerance: 0 to +5% Weight: 20KG 25 years power output warranty</p>	<p>40/pcs</p>
	<p>120V, 80A, PWM charging mode, intelligent control Temperature compensation, various protection 2 years warranty</p>	<p>1 set</p>
	<p>DC 120V input, AC220V or 110V 1-phase output; Output Power: 10KW; True sine-wave, off-grid type MPPT automatic power tracking High inverting efficiency up to 90%; Various protections Warranty: 2 years</p>	<p>1 set</p>
	<p>12V/ 150AH, lead-acid battery Fully sealed, deep cycle, free maintenance Service Life: 5-6 years; 2 years Warranty</p>	<p>40/pcs</p>
	<p>Flat Roof Type Rack Steel material, galvanized treatment No welding/ cutting at site, easy mounting More options to select: Array Type Rack/ Auto Solar Tracker Device/Standing-Pole or Slop Roof</p>	<p>1 set</p>
	<p>International Standard, with specification Suitable for solar system, RVV series</p>	<p>350m</p>

10000W off-grid system Case

Solar Panel Power: 10KW
Suitable Daily Consumption: Less 32KWH
Allowable Max Loads Power: 10KW

Price: \$19900 for whole system

Payment Term: 20% DP and 80% T/T against B/L

Delivery Time: 3 weeks after confirmed order

Warranty/ After Sales Service: 25 years

Remark:

- 51) Above System configuration is for reference. It can be adjusted base on actual condition and requirement.
- 52) Pictures shown are only for reference.
- 53) Power output data is base on areas with daily average peak power of 4.5 hours.
- 54) The battery capacity is designed for power storage of 1.5-2 days PV output
- 55) solar panel rack can be specially designed base on site condition