

Sunlink Energy-Customized Solar Power Solutions

1-5KW Grid System For House Rooftop



One-Stop Service For Your PV System

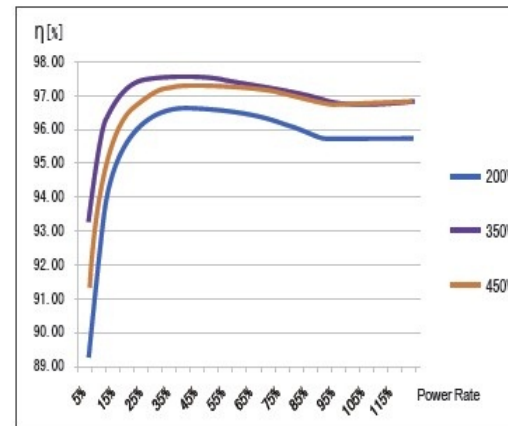
1. The Highest Efficiency
2. The Shortest Installation Time
3. The Most Reliable Quality Warranty
4. The Quickest Delivery Time
5. The Smartest Design According to your Need

PV solar system

Solar energy is one of renewable energy which has several positive characteristics in terms of reliable supply, non-noisy, low pollution emission, low energy consumption, building friendly, easy maintenance and long lifetime.

Sunlink Energy Co., Ltd. provides the total PV system solutions with its solar system, including inverter PV panels (Approved by MCS/ TUV/ CEC certificate with 0 to +5% tolerance), mounting system and AC/DC Cable (approved by TUV certificate). We also can design the specific photovoltaic system according to your specific requirements in terms of installation conditions, geography and installation capacity.

We offer the most reliable and the best generation product in order to increase the total system efficiency and maximize your return on investment.



Advantages

PV kit can reduce installation time greatly which will avoid unnecessary delays.

Basing on the motto of **earning more by using intelligent design**, our PV kit solution can catch the highest efficient power curve to gain the optimal effect and earn the highest returns.

Solution for Your PV System

System Name	System Power	Solar Panel	Panel Qty*string	Inverter power	Inverter efficient	AC/DC Cable
Kit 1	1140Wp	190W mono	6*1	SCE1.5KTL	96.50%	4mm ²
Kit 2	1520Wp	190W mono	8*1	SCE1.5KTL	96.50%	4mm ²
Kit 3	2000Wp	200W poly	10*1	SCE2KTL	96.80%	4mm ²
Kit 4	3000Wp	250W mono	12*1	SCE3KTL-O	97.20%	4mm ²
Kit 5	4000Wp	250W mono	8*2	SCE4KTL-O	97.50%	4mm ²
Kit 6	5000Wp	250W mono	10*2	SCE5KTL-O	97.50%	4mm ²

Why Choose Us?

1. Cost effective price and best in class' performance;
2. One-stop shopping for your Rooftop;
3. Free Pre-sales technical support, including system design optimization;
4. One-stop service from components purchase to logistics;
5. Fast and accurate delivery;
6. Wide range of kit solutions;
7. One-stop after-sales service for the whole PV kit;
8. Intelligent Mounting System design make your job easier;
9. Residential Rooftop Grid-tied PV System Reference Design (Customization Available).

Installed Solar System Case



Features:



High MPP tracking accuracy (>99.9%)
Wide DC input range (120-500 Vdc)
Small size and lightweight
Max. efficiency: 97.6%
MPPT efficiency: 99.9%

1.5-2.0K inverter



Built to last
Stainless steel housing
Comprehensive protection including over voltage overload and under voltage, under load, etc.
5 years standard warranty, up to 25 years warranty extension.

3.0-4.0K inverter



Flexibility
Easy wiring, installation and operating
Multi-lingual display
Automatic Grid configuration
IP 65 design, suitable for indoor and outdoor

5K inverter

Certificate: SAA/ G83/ G59/ UNBED/ ENEL/ VDE

Can meet Italy/ Germany/ U.K/ Australia/ U.S FIT policy requirement.

Solar Panel Datasheet



Typical Electrical Characteristics					
Nominal peak power (Wp)		185	190	195	200
Power tolerance	0 to +5%				
Nominal voltage (Vmp)		36.2V	36.2V	36.4V	36.6V
Nominal current (Imp)		5.11A	5.25A	5.35A	5.46A
Open circuit voltage (Voc)		45.2V	45.4V	45.6V	45.8V
Short circuit current (Isc)		5.34A	5.44A	5.62A	5.67A
Dimension (mm)	1580*808*35mm				
Arrangement of cells	72/pcs of monocrystalline silicon (6x12)				
Test condition	AM=1.5, 1000W/m ² , 25°C				
Thermal Characteristics		Operating Conditions			
Nominal operating temperature	45+/-2°C	Max system voltage		DC1000V	
temperature	-0.44%°C	Max series fuse rating		15A	
temperature	-0.35%°C	limiting reverse current		Do not apply external voltage large than	
temperature	+0.033%°C	Operating temperature range		-40°C to 85°C	
		Max static load, front(snow&wind)		5400Pa	
		Max static load, back (Wind)		2400Pa	



Typical Electrical Characteristics					
Nominal peak power (Wp)		235	240	245	250
Power tolerance	0 to +5%				
Nominal voltage (Vmp)		29.5V	29.8V	29.9V	30.0V
Nominal current (Imp)		7.80A	8.05A	8.19A	8.34A
Open circuit voltage (Voc)		37.2V	37.3V	37.3V	37.5V
Short circuit current (Isc)		8.47A	8.70A	8.75A	8.89A
Dimension (mm)	1652*993*40mm				
Arrangement of cells	60/pcs of monocrystalline silicon (6x10)				
Test condition	AM=1.5, 1000W/m ² , 25°C				
Thermal Characteristics		Operating Conditions			
Nominal operating temperature	45+/-2°C	Max system voltage		DC1000V	
temperature	-0.44%°C	Max series fuse rating		15A	
temperature	-0.37%°C	limiting reverse current		Do not apply external voltage large than Voc of the	
temperature	+0.035%°C	Operating temperature range		-40°C to 85°C	
		Max static load, front(snow&wind)		5400Pa	
		Max static load, back (Wind)		2400Pa	
Module Warranty	10 years 100% workmanship and output power warranty				
	15 years more than 90% output				
	25 years more than 80% output				
Module Certificate: IEC61215/IEC61730/ TUV/ MCS/ VDE/ ISO9001/ VDE/ UL/ ETL					

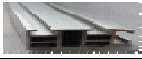





Inverter Datasheet

Item	1.5K	2.0K	3.0K	4.0K	5.0K
Max PV-Generator P _g	1750	2300	3400	4500	5400
Max. Dc Voltage (V _{dc})	500	500	590	590	590
Max DC Current	18	18	36	36	36
Grid Voltage (Vac)	184-264.5	184-264.5	184-264.5	184-264.5	184-264.5
Max.Efficiency (%)	97.40%	97.40%	97.50%	97.50%	97.60%

Mounting System for Tile Roof

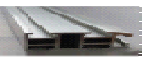

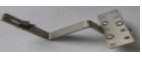
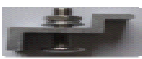



System Capacity is Suggested

Sample: 1140wp (6panels, 1 Row of 6 Portrait)

System Capacity	Array	Rail	End Clamp	Middle Clamp	Item	Accessory	Picture	Q'ty (pcs)	Material
1140wp	1R*6P	3142mm*2 2120mm*2	4	10	1	Rail (3140mm)		2	AL6063-T5
1520wp	1R* 8P	3420mm*4	4	14	2	Rail (2120mm)		2	AL6063-T5
2205wp	1R* 9P	3140mm*6	4	16	3	Roof hook		10	SUS304
2940wp	1R *12P	3140mm*8	4	22	4	End clamp		4	AL6063-T5
3430wp	1R*14P	3140mm*8 2120mm*2	4	26	5	Middle clamp		10	AL6063-T5
4410wp	1R*18P	3140mm*1 2	4	34	6	Connector		10	SUS304
5000wp	1R *20P	3140mm*1 2 2120mm*2	4	38	7	Hexagon self-tapping screw		30	Galvanizing steel

System Capacity is Suggested

Sample: 3430wp (14panels, 2 Row of 7 Portrait)

System Capacity	Array	Rail	End Clamp	Middle Clamp	Item	Accessory	Picture	Q'ty (pcs)	Material
1140wp	1R *6P				1	Rail (3140mm)		4	AL6063-T5
1520wp	2R* 4P	3420mm*2	8	12	2	Rail (2120mm)		8	AL6063-T5
2205wp	2R*5P 1R*5P	3140mm*6 2120mm*6	8	14	3	Roof hook		28	SUS304
2940wp	2R*6P	3140mm*8	8	20	4	End clamp		8	AL6063-T5
3430wp	2R*7P	3140mm*4 2120mm*8	8	24	5	Middle clamp		24	AL6063-T5
4410wp	2R*9P	3140mm*1 2	8	32	6	Connector		8	SUS304
5000wp	2R *10P	3140mm*8 2120mm*8	8	36	7	Hexagon self-tapping screw		84	Galvanizing steel