

Product Description

- ON-GRID PV System does not require batteries.
- Save floor space and reduce configuration costs.
- After successful installation of grid connected, in addition to household spending deduction, subsidies can be obtained as power degree.



System Composition

ON-GRID PV SYSTEM

Solar Module, Combiner box, Inverter, Distribution Box, Cable Wire, Module Bracket, etc.

Technical Parameters

Model No.	System Capacity	Solar Module		Inverter(KW)		Installation Area	Annual energy output (KWH)
		Power	Quantity	Capacity	Quantity		
MU-SGPS5KW	5000W	285W	17	5KW	1	34m ²	≈8000
MU-SGPS8KW	8000W	285W	28	8KW	1	56m ²	≈12800
MU-SGPS10KW	10000W	285W	35	10KW	1	70m ²	≈16000
MU-SGPS15KW	15000W	350W	43	15KW	1	86m ²	≈24000
MU-SGPS20KW	20000W	350W	57	20KW	1	114m ²	≈32000
MU-SGPS30KW	30000W	350W	86	30KW	1	172m ²	≈48000
MU-SGPS50KW	50000W	350W	142	50KW	1	284m ²	≈80000
MU-SGPS100KW	100000W	350W	286	50KW	2	572m ²	≈160000
MU-SGPS200KW	200000W	350W	571	50KW	4	1142m ²	≈320000

Model No.	Distribution Box	Bracket	PV Cable	Accessories
MU-SGPS5KW	Essential internal components of the distribution box: AC switch, photovoltaic reclosing; Lightning surge protection, grounding copper bar	9*6m C type steel	20m	MC4 connector C type steel connecting bolt and screw
MU-SGPS8KW		18*6m C type steel	30m	MC4 connector Connecting bolt and screw Medium pressure block edge pressure block
MU-SGPS10KW		24*6m C type steel	35m	
MU-SGPS15KW		31*6m C type steel	70m	
MU-SGPS20KW		36*6m C type steel	80m	
MU-SGPS30KW		Need to design	120m	
MU-SGPS50KW		Need to design	200m	
MU-SGPS100KW		Need to design	450m	
MU-SGPS200KW		Need to design	800m	

In the grid-connected system, the distribution box can be installed with lightning-proof combiner box directly, and the space is regular. (lightning grounding will be calculated separately and specific design is required)

1. Photovoltaic group series: Photovoltaic modules are connected in series, series and parallel, and then connected to grid connected inverter
2. DC anti-reverse protection box: Disconnect the circuit overload and short circuit current generated to protect the photovoltaic module.
3. Grid-connected inverter: Key equipment for converting DC to AC
4. AC distribution box: connect the output cable of the grid-connected inverter to the connection point after over-voltage protection.



Product Description

- According to the principle of the Photovoltaic effect, sunlight into electricity directly, the electricity will supply to the load use directly.
- The excess power will be stored in the battery.
- It can support the load operation when it is night or rainy day.



System Composition

OFF-GRID PV SYSTEM

Solar Module, Combiner box, Charge Controller, Battery Bank, Inverter, Distribution Box, Cable Wire, Module Bracket, etc.

Technical Parameters

Model No.	system capacity	Solar module Power	Solar module Quantity	Solar controller	Inverter	battery 12V/200Ah	Installation Area	Recommended load
MU-SPS3KW	3000W	350W	9	24V 80A	24V 3000W	8	20m ²	3000W
MU-SPS5KW	5000W	350W	15	48V 60A*2	48V 5000W	16	30m ²	5000W
MU-SPS8KW	8000W	350W	23	48V 60A*3	48V 8000W	32	46m ²	8000W
MU-SPS10KW	10000W	350W	35	96V 60A*2	96V 10000W	64	70m ²	10000W
MU-SPS15KW	15000W	350W	43	96V 60A*3	96V 15000W	128	86m ²	15000W
MU-SPS20KW	20000W	350W	57	240V 100A	240V 20000W	Design according to user	114m ²	20000W
MU-SPS30KW	30000W	350W	86	240V 80A*2	240V 30000W	Design according to user	172m ²	30000W

The combiner box is designed according to the user's requirements, and lightning protection / remote monitoring is optional;
The quantity of batteries are designed by normal electricity consumption.(Generally 8 hours) It can be customized by user's actual demand (battery cabinet / rack matching is optional; AC distribution cabinet / box is optional)

Model No.	PV combiner box	Photovoltaic distribution box	Bracket	Photovoltaic cable	Accessories	Battery rack
MU-SPS3KW	—	—	9*6m C type steel	12m	MC4 connector C type steel connecting bolt and screw	Optional
MU-SPS5KW	—	Can be equipped with lightning surge protector; grounding copper bar	18*6m C type steel	24m		
MU-SPS8KW	—		24*6m C type steel	38m		
MU-SPS10KW	4 string		31*6m C type steel	48m		
MU-SPS15KW	4 string		36*6m C type steel	50m		
MU-SPS20KW	6 string		Design according to user requirements	70m		
MU-SPS30KW	10 string		Design according to user requirements	100m		

Remarks: (lightning protection grounding) connection between modules and mounting brackets, mounting brackets and mounting parts and mounting parts, grounding point and lightning protection point, all that shall be designed specifically and calculated separately.

