

SOLAR AND WIND HYBRID GENERATION SYSTEMS



Two kinds of power energy, wind energy complement each other, meet the demand for electricity.

What is Solar and wind hybrid generation system

Solar and wind Hybrid Generation Systems use wind energy and solar energy as the main power supply source of the load, and cooperates with high-efficiency, maintenance free lead-acid or colloidal battery energy storage system to supply new energy to the load.

Wind power generation system

150W
Solar panel

300W/450W

100W
Solar panel

400W/500W

Paired with 2 solar panels

100W/150W power

Fans 500W

500W
Wind generator

The main components of solar and wind hybrid generation system

Solar and wind hybrid generation system is mainly composed of wind turbine, solar panels, controller, storage battery, inverter, AC and DC load, etc.

The system is a composite renewable energy power generation system integrating wind energy, solar energy, battery and other energy power generation technologies and system intelligent control technology.



The advantages of solar and wind hybrid generation system



- Using the complementarity of wind energy and solar energy, relatively stable output can be obtained, and the system has high stability and reliability;
- Under the condition of ensuring the same power supply, the capacity of energy storage battery can be greatly reduced;
- Through reasonable design and matching, the power can be basically supplied by the solar and wind hybrid generation systems , and there is little or no need to start the standby power supply, such as diesel generator set, which can obtain better social and economic benefits.



Application scenarios

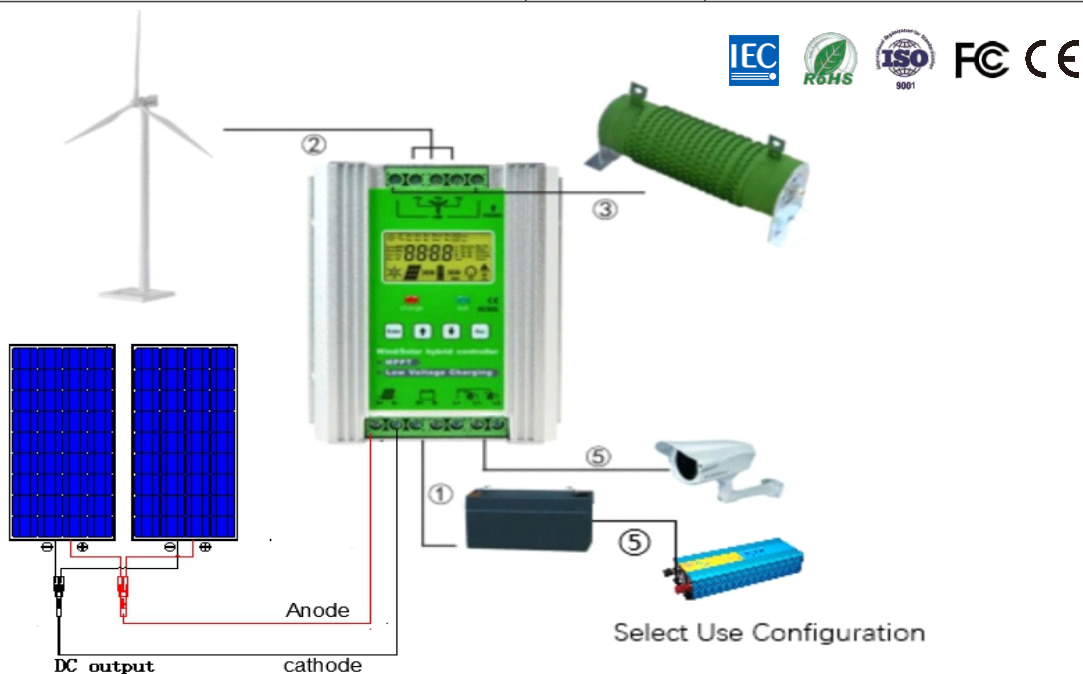


Solar and wind hybrid power generation system is widely used in power shortage life, outdoor application, road lighting, navigation mark application, monitoring power supply, communication application and power station application.

300W Material List

Type	Specification	Quantity	Remarks note
Solar panel	150W/19.8V 1140*700*25mm	2	
Energy storage battery	200AH/12V	1	Lead-acid colloidal battery
Wind power generator	NE-500M2;500W/DC12V	1	
Controller	12/24-W500/S500; 500W	1	Equipped with discharge resistance
Bracket	Aluminum alloy Z bracket	8	
Cable	① Battery system; red and black lines 1x 16mm ² , 3m	1	Connected to the controller
	② Wind power system brown; blue and Yellow three-color cable 3x4mm ² , 10M	1	Connected to the controller
	③ Discharging system; red and black lines 1x 4mm ² , 1.5M	1	Connected to the controller
	④ Photovoltaic system; red and black lines 1x2.5mm ² , 3M	1	Connected to the controller
	⑤ Inverter connection line; Red and black lines 1x16mm ² , 3M	1	Select Use Configuration; The battery connects to the inverter
Screw	Specification of screw bar: M6*20	16	
Nut	Flange nut specification: M6	16	
Inverter	2000W/230V	1	Select Use Configuration
Terminal	OT-60A	4	

Electrical connection diagram



450W Material List

Type	Specification	Quantity	Remarks note
Solar panel	150W/19.8V 1140*700*25mm	3	
Energy storage battery	200AH/12V	1	Lead-acid colloidal battery
Wind power generator	NE-500M2;500W/DC12V	1	
Controller	12/24-W500/S500; 500W	1	Equipped with discharge resistance
Bracket	Aluminum alloy Z bracket	12	
Cable	① Battery system; red and black lines 1x 16mm ² , 3m	1	Connected to the controller
	② Wind power system brown; blue and Yellow three-color cable 3x4mm ² , 10M	1	Connected to the controller
	③ Discharging system; red and black lines 1x 4mm ² , 1.5M	1	Connected to the controller
	④ Photovoltaic system; red and black lines 1x2.5mm ² , 3M	1	Connected to the controller
	⑤ Inverter connection line; Red and black lines 1x16mm ² , 3M	1	Select Use Configuration; The battery connects to the inverter
Screw	Specification of screw bar: M6*20	24	
Nut	Flange nut specification: M6	24	
Inverter	2000W/230V	1	Select Use Configuration
Terminal	OT-60A	4	

Electrical connection diagram



150W Solar panel:

Electrical parameter) | STC

Rated Power	Pmax(W)	150W
Operating Voltage	Vmp(V)	19.8V
Operating Current	Imp(A)	7.58A
Open Circuit Voltage	Voc(V)	23.76V
Short Circuit Current	Isc(A)	8.33A
Module Efficiency	(%)	18.67%
Performance Tolerance	(%)	±5%

Temperature characteristics:

Solar cell	166×83 Monocrystalline silicon PERC High efficiency solar cells
Connections of cells	36 (4x9)
Weight	7.5Kg
Mechanical Dimension	1140*700*25*20mm
Number of Mounting holes	4
Waterproofing grade of Junction Box	IP67
Cable	0.9m 2.5mm ²
Number of diodes	2 (Bypass diodes)
Connector	MC4

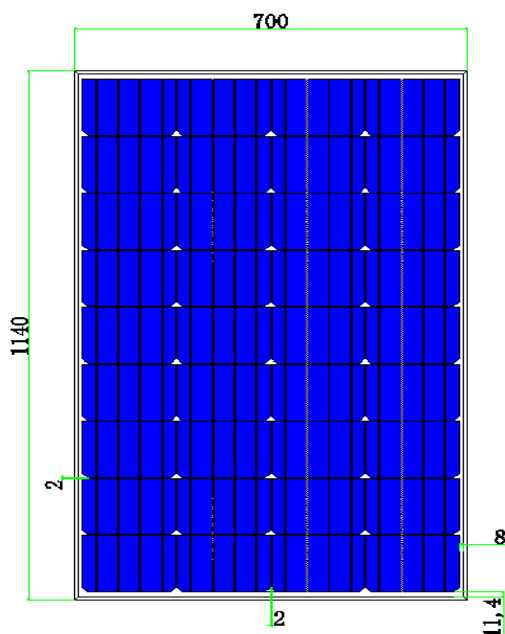
* Product data.

Temperature characteristics:

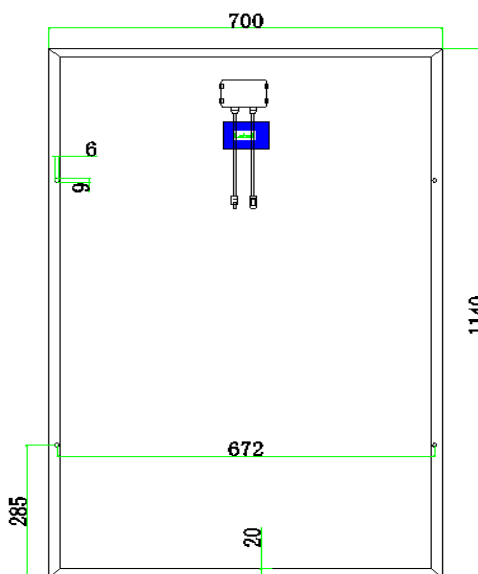
NOTC(Standard Test Conditions)	$45 \pm 2^{\circ}\text{C}$
(Isc(Short Circuit Current Temp.)	$+0.050\%/^{\circ}\text{C}$
Voc(Open Circuit Voltage Temp.)	$-0.30\%/^{\circ}\text{C}$
Pmax (Max. Power Temp.)	$-0.39\%/^{\circ}\text{C}$

Operating Temperature	$-40 \sim +85^{\circ}\text{C}$
Max.System Voltage	1000V DC
Maximum diode current	10A

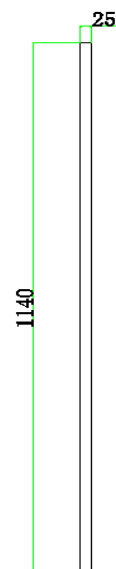
Structural drawing:



Front view

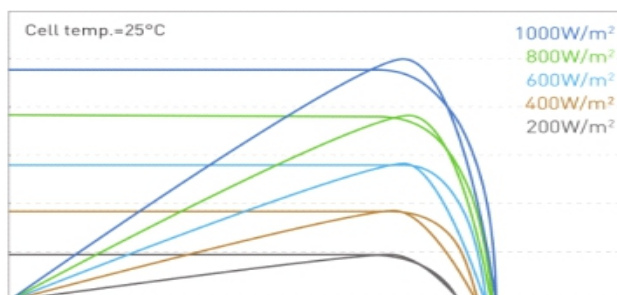
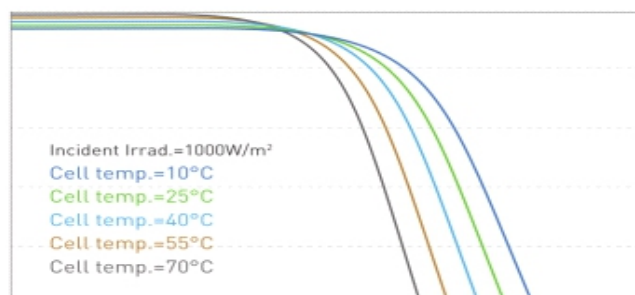


Back view



Side view

Output of different illumination intensity:



Lead-acid colloidal battery: Specificaons

Model	6-GFM-200	
Design Life	12 years	
Nominal Capacity	20HR(10.8A,1.80V)	216Ah
	10HR(200Af,1.80V)	200Ah
	1HR(110A,1.80V)	162Ah
	1HR(110A,1.80V)	110Ah
Internal Resistance	3.2mQ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.35V/Cell (-4mV/°C/Cell)	2.25V/Cell (-3mV/°C/Cell)



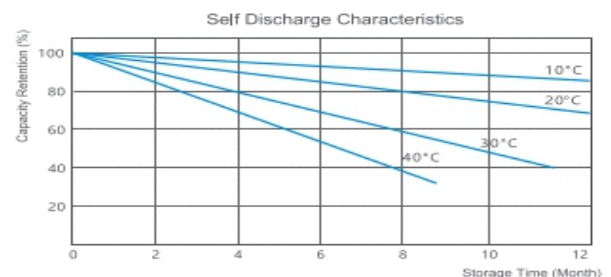
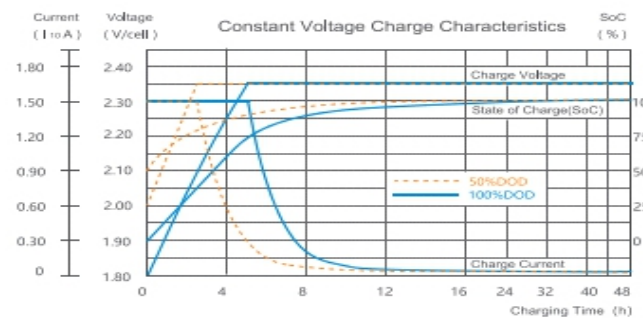
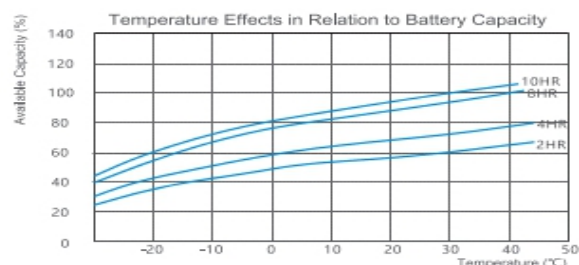
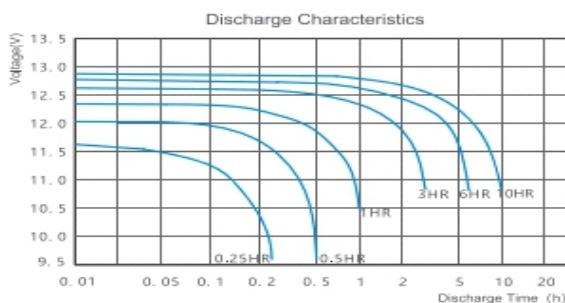
Constant Current Discharge Rate (A, 25°C)

Model	EV. (V/Cell)	Minute						Hour								
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20
&GFM-200	1.85	372	306	247	205	160	126	109	66.9	49.5	40.1	33.8	29.7	23.9	19.8	10.5
	1.80	426	326	272	234	170	132	112	68.4	50.5	41.0	34.6	30.3	24.4	20.3	10.7
	1.75	449	346	286	244	178	138	116	70.0	51.7	41.7	35.4	30.9	24.7	20.6	10.8
	1.70	433	368	302	260	186	144	120	71.7	52.8	42.5	36.0	31.4	25.1	20.7	10.9
	1.67	508	388	321	273	192	148	123	73.2	53.9	43.5	36.8	32.1	25.5	20.9	11.0
	1.60	546	409	337	285	198	153	125	74.7	55.3	44.3	37.6	32.7	25.8	21.1	11.2

Constant Power Discharge Rate (Watt/Cell, 25°C)

Model	EV. (V/Cell)	Minute						Hour								
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20
&GFM-200	1.85	642	541	486	434	357	285	236	150	101	80.8	68.3	59.8	47.4	39.7	23.4
	1.80	719	596	526	469	382	305	247	157	107	83.6	70.2	61.6	48.4	41.0	24.4
	1.75	765	651	561	497	401	315	254	160	110	85.1	71.3	62.3	48.8	41.9	24.7
	1.70	801	694	590	518	413	321	259	161	111	85.8	71.7	62.0	49.0	42.2	24.8
	1.67	831	724	613	532	420	324	261	162	112	86.2	72.1	63.0	49.1	42.4	24.9
	1.60	853	746	633	542	425	326	262	163	113	87.2	72.3	63.2	49.3	42.5	25.0

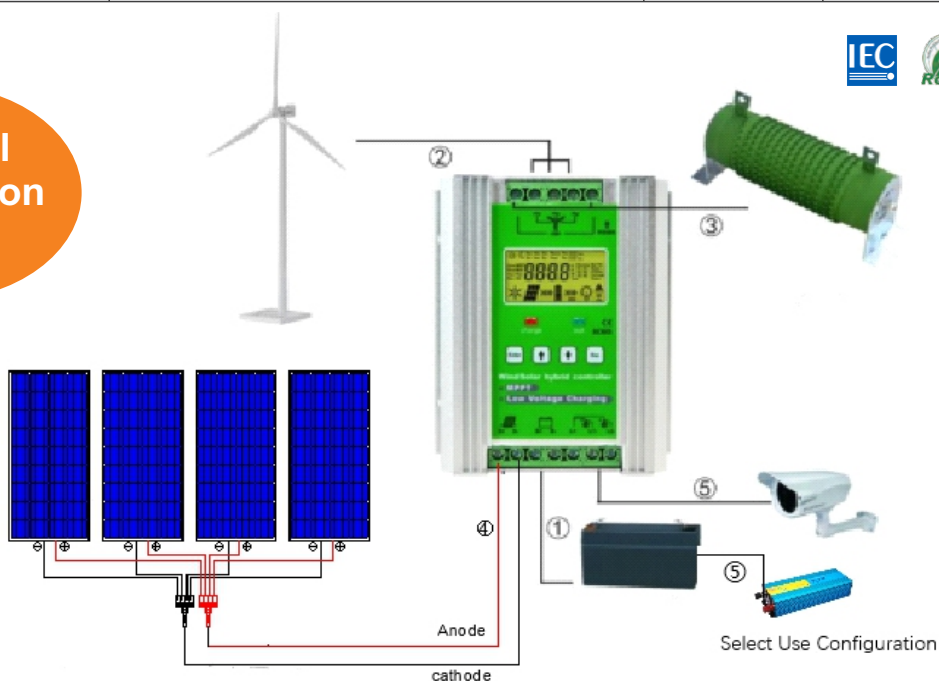
Performance



400W Material List

Type	Specification	Quantity	Remarks note
Solar panel	100W/19.8V 1050*530*25m	4	
Energy storage battery	250AH/12V	1	Lead-acid colloidal battery
Wind power generator	NE-500M2;500W/DC12V	1	
Controller	12/24-W500/S500; 500W	1	Equipped with discharge resistance
Bracket	Aluminum alloy Z bracket	16	
Cable	① Battery system; red and black lines 1x 16mm ² , 3m	1	Connected to the controller
	② Wind power system brown; blue and Yellow three-color cable 3x4mm ² , 10M	1	Connected to the controller
	③ Discharging system; red and black lines 1x 4mm ² , 1.5M	1	Connected to the controller
	④ Photovoltaic system; red and black lines 1x2.5mm ² , 3M	1	Connected to the controller
	⑤ Inverter connection line; Red and black lines 1x16mm ² , 3M	1	Select Use Configuration; The battery connects to the inverter
Screw	Specification of screw bar: M6*20	32	
Nut	Flange nut specification: M6	32	
Inverter	2000W/230V	1	Select Use Configuration
Terminal	OT-60A	4	

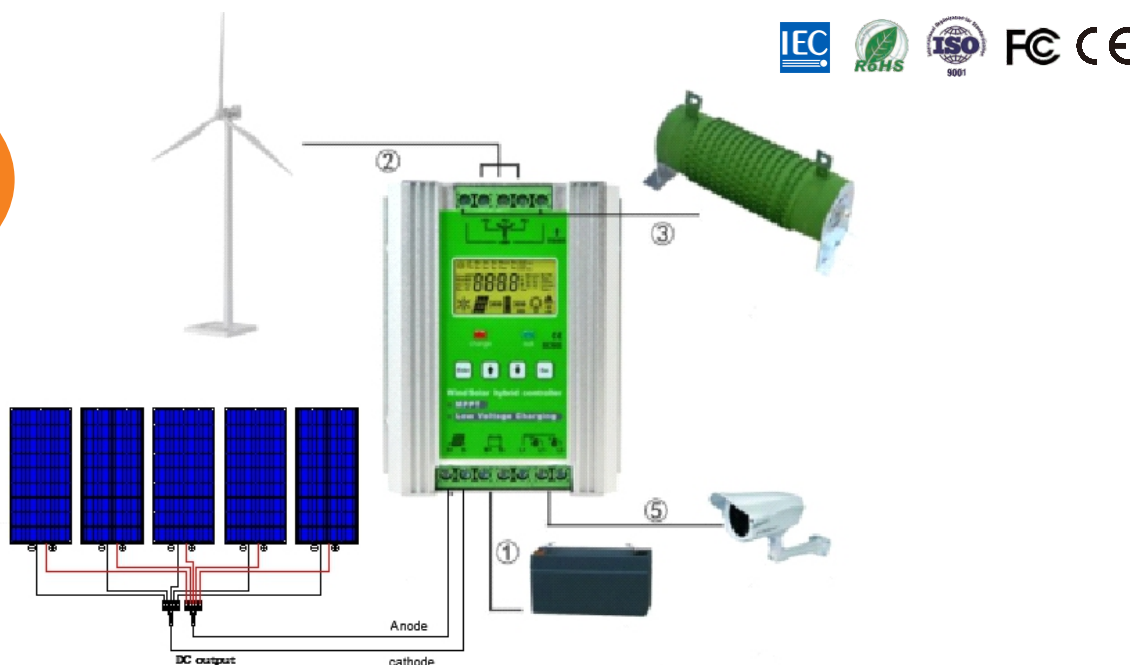
Electrical connection diagram



500W Material List

Type	Specification	Quantity	Remarks note
Solar panel	100W/19.8V 1050*530*25m	5	
Energy storage battery	250AH/12V	1	Lead-acid colloidal battery
Wind power generator	NE-500M2;500W/DC12V	1	
Controller	12/24-W500/S500; 500W	1	Equipped with discharge resistance
Bracket	Aluminum alloy Z bracket	20	
Cable	① Battery system; red and black lines 1x 16mm ² , 3m	1	Connected to the controller
	② Wind power system brown; blue and Yellow three-color cable 3x4mm ² , 10M	1	Connected to the controller
	③ Discharging system; red and black lines 1x 4mm ² , 1.5M	1	Connected to the controller
	④ Photovoltaic system; red and black lines 1x2.5mm ² , 3M	1	Connected to the controller
	⑤ Inverter connection line; Red and black lines 1x16mm ² , 3M	1	Select Use Configuration; The battery connects to the inverter
Screw	Specification of screw bar: M6*20	40	
Nut	Flange nut specification: M6	40	
Inverter	2000W/230V	1	Select Use Configuration
Terminal	OT-60A	4	

Electrical connection diagram



100W Solar panel:

Electrical parameter) | STC

Rated Power	Pmax(W)	100W
Operating Voltage	Vmp(V)	19.8V
Operating Current	Imp(A)	5.05A
Open Circuit Voltage	Voc(V)	23.76V
Short Circuit Current	Isc(A)	5.55A
Module Efficiency	(%)	18%
Performance Tolerance	(%)	±5%

Temperature characteristics:

Solar cell	166×83 Monocrystalline silicon PERC High efficiency solar cells
Connections of cells	36 (3x12)
Weight	7.5Kg
Mechanical Dimension	1050*530*25m
Number of Mounting holes	4
Waterproofing grade of Junction Box	IP67
Cable	0.9m 2.5mm ²
Number of diodes	2 (Bypass diodes)
Connector	MC4

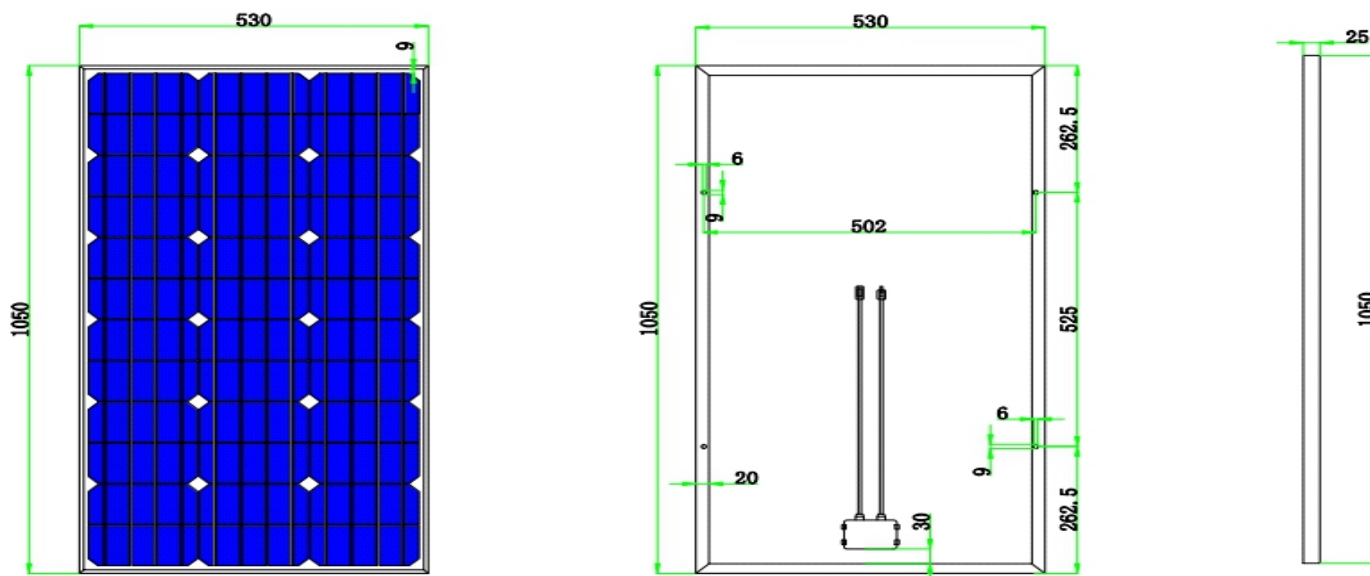
* Product data.

Temperature characteristics:

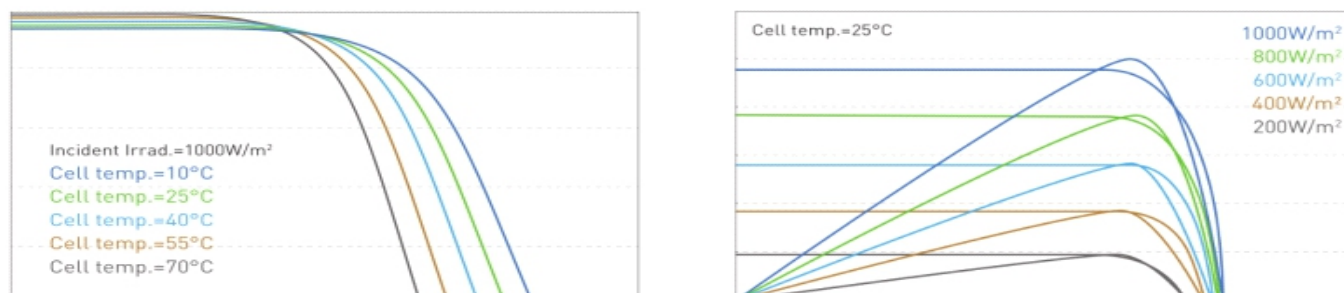
NOTC(Standard Test Conditions)	$45 \pm 2^{\circ}\text{C}$
(Isc(Short Circuit Current Temp.)	$+0.050\%/^{\circ}\text{C}$
Voc(Open Circuit Voltage Temp.)	$-0.30\%/^{\circ}\text{C}$
Pmax (Max. Power Temp.)	$-0.39\%/^{\circ}\text{C}$

Operating Temperature	$-40 \sim +85^{\circ}\text{C}$
Max.System Voltage	1000V DC
Maximum diode current	10A

Structural drawing:



Output of different illumination intensity:



Lead-acid colloidal battery: Specificaons

Model	6-GFM-250	
Design Life	12 years	
Nominal Capacity	20HR(13.5A,1.80V)	270Ah
	10HR(25Af 1.80V)	250Ah
	3HR(67.5A,1.80V)	202.5Ah
	1HR(137.5A,1.80V)	137.5Ah
Internal Resistance	2.5mQ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.35V/Cell(-4mV/°C/Cell) Max.Charge Current:37.5A	2.25V/Cell (-3mV/°C/Cell)



Note:Data contained herein are measured at 25°C

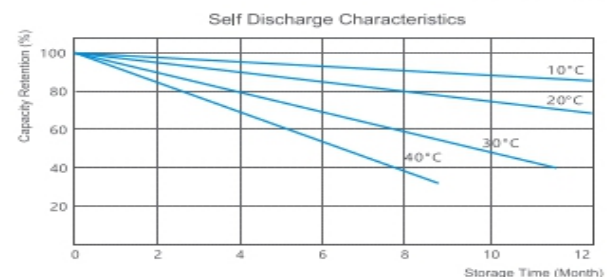
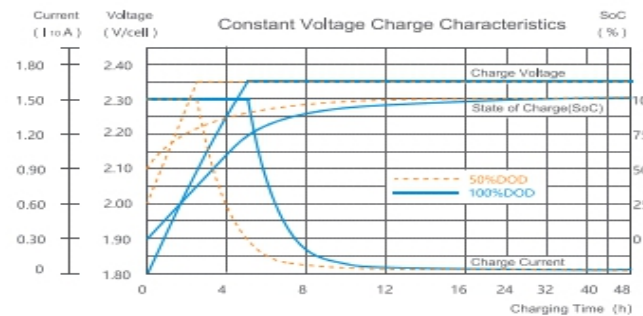
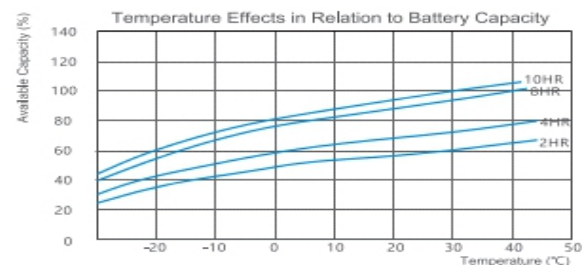
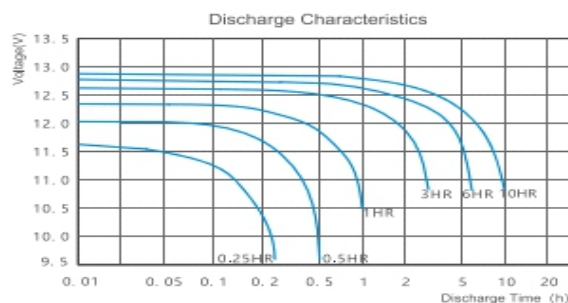
Constant Current Discharge Rate (A, 25°C)

Model	EV. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
6-GFM-250	1.85	396	371	331	284	212	160	136	87.6	63.9	50.3	42.3	37.3	24.7	24.7	13.1	
	1.80	473	416	362	304	225	165	140	90.8	66.3	51.7	43.3	38.2	30.7	25.3	13.4	
	1.75	511	440	379	320	236	172	145	93.6	67.9	52.9	44.2	38.9	31.4	25.7	13.5	
	1.70	549	465	396	334	246	180	150	96.0	69.3	53.9	45.0	39.6	31.8	25.9	13.6	
	1.67	570	477	402	342	256	184	155	98.0	70.5	54.8	45.7	40.1	32.1	26.1	13.7	
	1.60	608	501	419	356	264	189	157	99.7	71.6	55.7	46.4	40.5	32.3	26.3	13.9	

Constant Power Discharge Rate (Watt/Cell, 25°C)

Model	EV. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
6-GFM-200	1.85	802	677	608	542	446	356	294	187	126	101	85.4	74.8	59.2	49.7	29.3	
	1.80	898	748	658	586	477	381	309	196	133	105	87.8	77.0	60.5	51.3	30.5	
	1.75	957	814	701	624	501	393	318	200	137	106	89.1	77.9	61.0	52.3	30.9	
	1.70	1001	868	738	648	516	401	323	201	139	107	89.7	77.5	61.3	52.7	31.1	
	1.67	1038	905	767	666	526	405	326	203	140	108	90.1	78.7	61.4	52.9	31.2	
	1.60	1066	933	791	677	531	407	328	204	141	109	90.4	78.9	61.6	53.1	31.3	

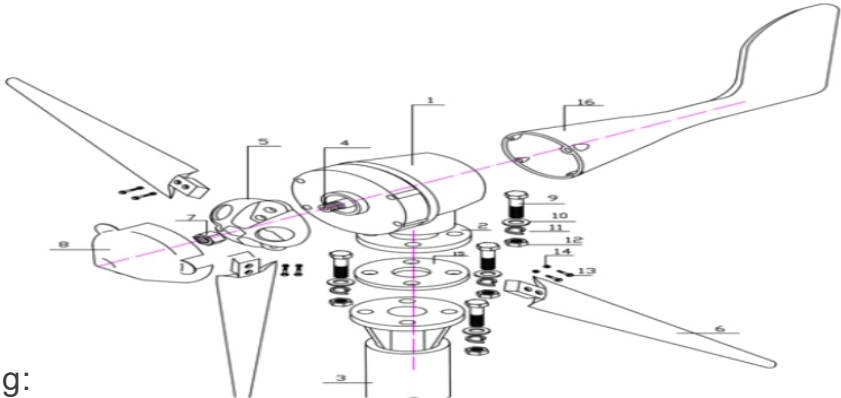
Performance



Wind power generator

Product Parameter

Model	NE-500M2
Power rating	500W
Maximum power	530W
Rated voltage	12/24V
Start wind speed	2.5m/s
Rated wind speed	11.5m/s
Survival wind speed	45m/s
Host net weight	15.3kg
Rotor diameter	1.7m
The number of leaves	3 / 5 Piece
Leaf material	Nylon fiber
Generator type	Three-phase AC permanent magnet direct drive
Magnetic steel material	NdFeB
Generator housing material	Aluminium die casting
Navar	Electromagnetic / wind wheel is sideways
Mode of speed regulation	Automatically adjust the windwind angle
Working temperature	-40℃ — 80℃
lubricating system	Fill grease



Structural drawing:

* Product data.

Controller Electrical Parameters

Photovoltaic Electrical Parameters:

Photovoltaic electrical parameters				
System rated voltage / V	12	24	48	--
PV array maximum open circuit voltage / V	27.6	55.2	105	--
Recovery voltage / V after the maximum open circuit of the PV array	26.4	52.8	100	--
PV array minimum operating voltage / V	>V bat +1V	>V bat +1V	>V bat +1V	--
PV module power range / W	≤ 500	≤ 800	≤ 1000	--

Electric parameters of the fan:

Fan electrical parameters				Remarks
Battery system voltage level / V	12	24	48	--
Fan rated voltage level / V	12	24	48	--
Fan maximum open circuit voltage / V	25.6	51.2	102.4	--
Wind turbine power range / W	≤ 500	≤ 800	≤ 1500	--

Structural drawing:



Structural drawing:



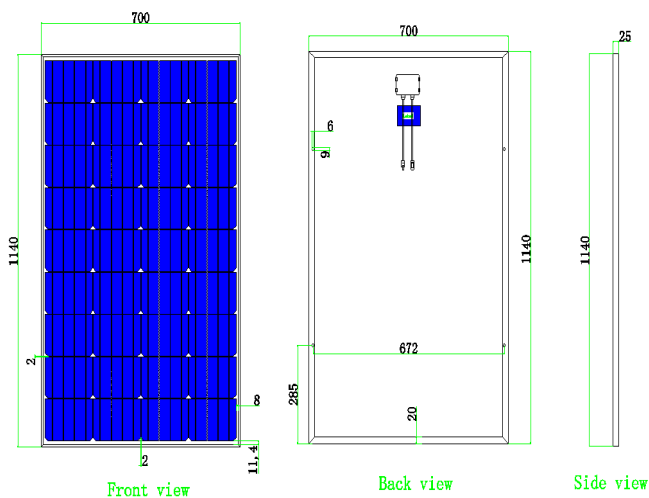
Model	CXP2020
Output waveform	Puer sine wave
Rated Power	2000W
Peak Power	4000W
Rated Input volt	DC 12V
Input voltage range	10V-DC15.5V
Frequency	50HZ+/-3HZ
Output volt	240V AC
Efficiency	>90%
No load current draw	<1.2A

* Product data.

300W Solar +500W Wind Series

- Before starting the assembly, make sure you have all the necessary materials and tools for the installation, as well as the security measures necessary for this task.
- In the next assemblies, open the packaging of the solar panel without using sharp tools, since which could damage the components inside.

Fittings:



19.8V/150W Solar Panel: 2pcs



Controller: 12/24-W500/S500;
Discharge resistance: 1set



Wind power generator NE-500M2;
Rated power: 500W/DC12V: 1set;



Energy storage battery: 200AH/12V;
Lead-acid colloidal battery: 1set

- ① Battery system ; red and black lines . 1*16mm²,3M: 1set.
- ② Wind power system brown; blue and red three-color cable.3x4mm²,10M: 1set.
- ③ Discharging system ; red and black lines. 1x 4mm²,1.5M: 1set.
- ④ Photovoltaic system;red and black lines.1x2.5mm²,3M: 1set .
- ⑤ Inverter connection line; Red and black lines 1x16mm², 3M: 1PC (Select Use Configuration)



Figure 1



Figure 2

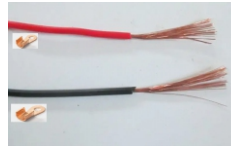


Figure 3



Figure 4



Figure 5

Figure1: Red and black lines 1x 16mm².

Figure2: Blue and Yellow three-color cable.3x4mm².

Figure3: Red and black lines 1x 4mm².

Figure4: Red and black lines 1x2.5mm².

Figure5: Red and black lines 1x16mm².



Stents: Aluminum alloy Z bracket: 8pcs



Screw: Specification of screw

Bar: M6*20 : 16pcs

Flange nut specification: M6: 16pcs

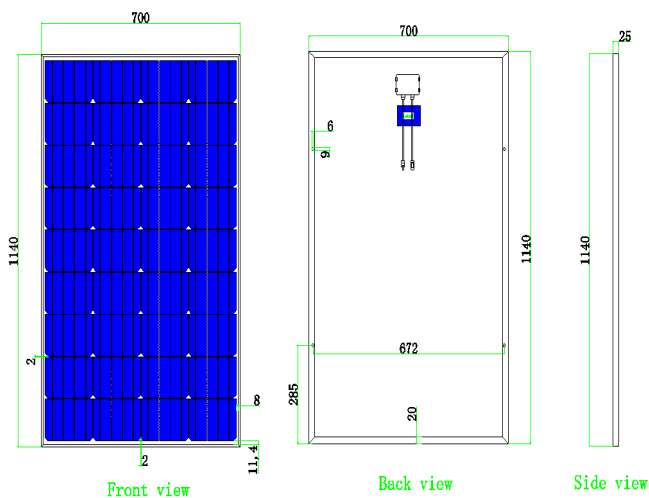


Offgrid inverter(Select Use Configuration): 1set.

450W Solar +500W Wind Series

- Before starting the assembly, make sure you have all the necessary materials and tools for the installation, as well as the security measures necessary for this task.
- In the next assemblies, open the packaging of the solar panel without using sharp tools, since which could damage the components inside.

Fittings:



19.8V/150W Solar Panel: 3pcs



Controller: 12/24-W500/S500;
Discharge resistance: 1set



Wind power generator NE-500M2;
Rated power: 500W/DC12V: 1set;



Energy storage battery: 200AH/12V;
Lead-acid colloidal battery: 1set

- ① Battery system ; red and black lines . 1*16mm²,3M: 1set.
- ② Wind power system brown; blue and red three-color cable.3x4mm²,10M: 1set.
- ③ Discharging system ; red and black lines. 1x 4mm²,1.5M: 1set.
- ④ Photovoltaic system;red and black lines.1x2.5mm²,3M: 1set .
- ⑤ Inverter connection line; Red and black lines 1x16mm², 3M: 1PC (Select Use Configuration)



Figure 1



Figure 2

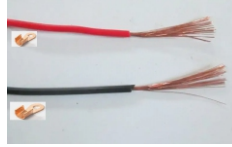


Figure 3



Figure 4



Figure 5

Figure1: Red and black lines 1x 16mm².

Figure2: Blue and Yellow three-color cable.3x4mm².

Figure3: Red and black lines 1x 4mm².

Figure4: Red and black lines 1x2.5mm².

Figure5: Red and black lines 1x16mm².



Stents: Aluminum alloy Z bracket: 12pcs



Screw: Specification of screw

Bar: M6*20 : 24pcs

Flange nut specification: M6: 24pcs

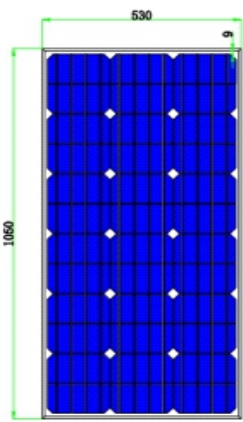


Offgrid inverter(Select Use Configuration): 1set.

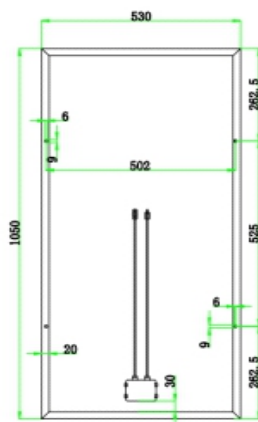
400W Solar +500W Wind Series

- Before starting the assembly, make sure you have all the necessary materials and tools for the installation, as well as the security measures necessary for this task.
- In the next assemblies, open the packaging of the solar panel without using sharp tools, since which could damage the components inside.

Fittings:



Front Side



Back side



Side

19.8V/100W Solar Panel: 4pc



Controller: 12/24-W500/S500;
Discharge resistance: 1set



Wind power generator NE-500M2;
Rated power: 500W/DC12V: 1set;



Energy storage battery: 250AH/12V;
Lead-acid colloidal battery: 1set

- ① Battery system ; red and black lines . 1*16mm²,3M: 1set.
- ② Wind power system brown; blue and red three-color cable.3x4mm²,10M: 1set.
- ③ Discharging system ; red and black lines. 1x 4mm²,1.5M: 1set.
- ④ Photovoltaic system;red and black lines.1x2.5mm²,3M: 1set .
- ⑤ Inverter connection line; Red and black lines 1x16mm², 3M: 1PC (Select Use Configuration)



Figure 1



Figure 2

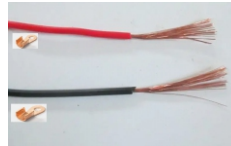


Figure 3



Figure 4



Figure 5

Figure1: Red and black lines 1x 16mm².

Figure2: Blue and Yellow three-color cable.3x4mm².

Figure3: Red and black lines 1x 4mm².

Figure4: Red and black lines 1x2.5mm².

Figure5: Red and black lines 1x16mm².



Stents: Aluminum alloy Z bracket: 16pcs



Screw: Specification of screw

Bar: M6*20 : 32pcs

Flange nut specification: M6: 32pcs

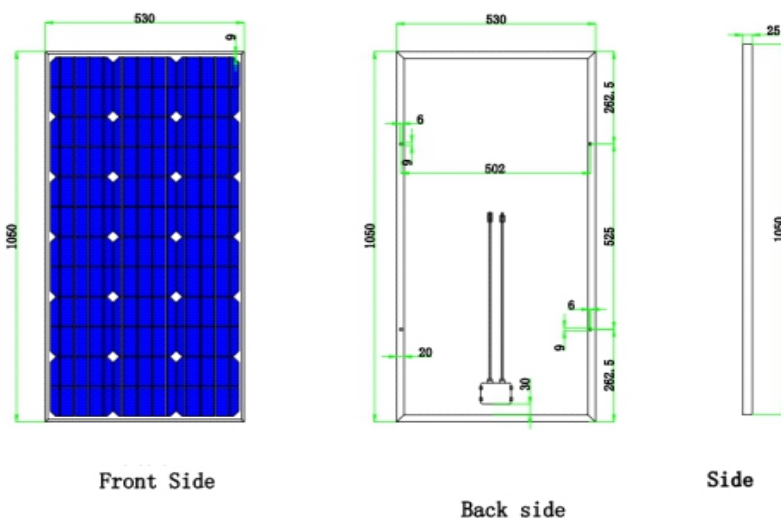


Offgrid inverter(Select Use Configuration): 1set.

500W Solar +500W Wind Series

- Before starting the assembly, make sure you have all the necessary materials and tools for the installation, as well as the security measures necessary for this task.
- In the next assemblies, open the packaging of the solar panel without using sharp tools, since which could damage the components inside.

Fittings:



19.8V/100W Solar Panel: 5pc



Controller: 12/24-W500/S500;
Discharge resistance: 1set



Wind power generator NE-500M2;
Rated power: 500W/DC12V: 1set;



Energy storage battery:250AH/12V;
Lead-acid colloidal battery: 1set

- ① Battery system ; red and black lines . 1*16mm²,3M: 1set.
- ② Wind power system brown; blue and red three-color cable.3x4mm²,10M: 1set.
- ③ Discharging system ; red and black lines. 1x 4mm²,1.5M: 1set.
- ④ Photovoltaic system;red and black lines.1x2.5mm²,3M: 1set .
- ⑤ Inverter connection line; Red and black lines 1x16mm², 3M: 1PC (Select Use Configuration)



Figure 1



Figure 2

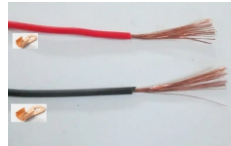


Figure 3



Figure 4



Figure 5

Figure1: Red and black lines 1x 16mm².

Figure2: Blue and Yellow three-color cable.3x4mm².

Figure3: Red and black lines 1x 4mm².

Figure4: Red and black lines 1x2.5mm².

Figure5: Red and black lines 1x16mm².



Stents: Aluminum alloy Z bracket: 20pcs



Screw: Specification of screw

Bar: M6*20 : 40pcs

Flange nut specification: M6: 40pcs



Offgrid inverter(Select Use Configuration): 1set.

Installation tool:



1. Straight screwdriver



2. Cross screwdriver



3. Knife



4. Wire cutters



5. Impact drill driver



6. Hex socket wrench

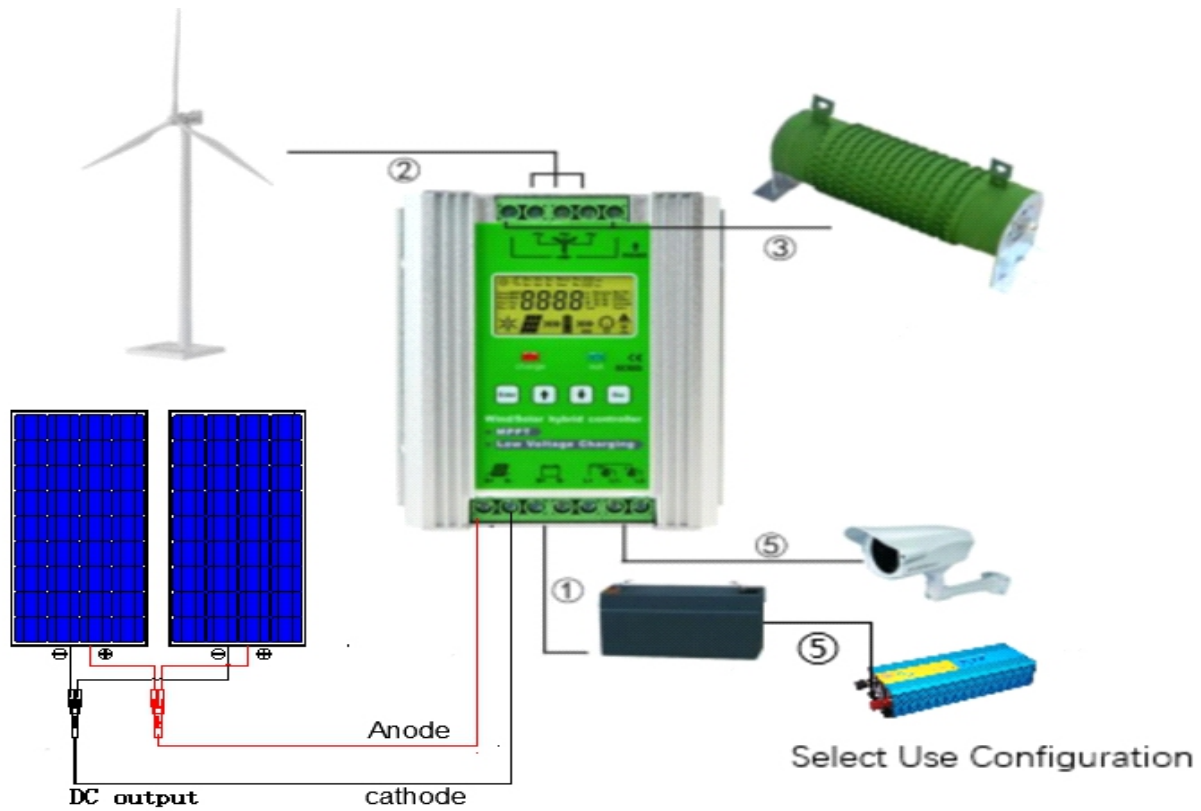


7. Wrench

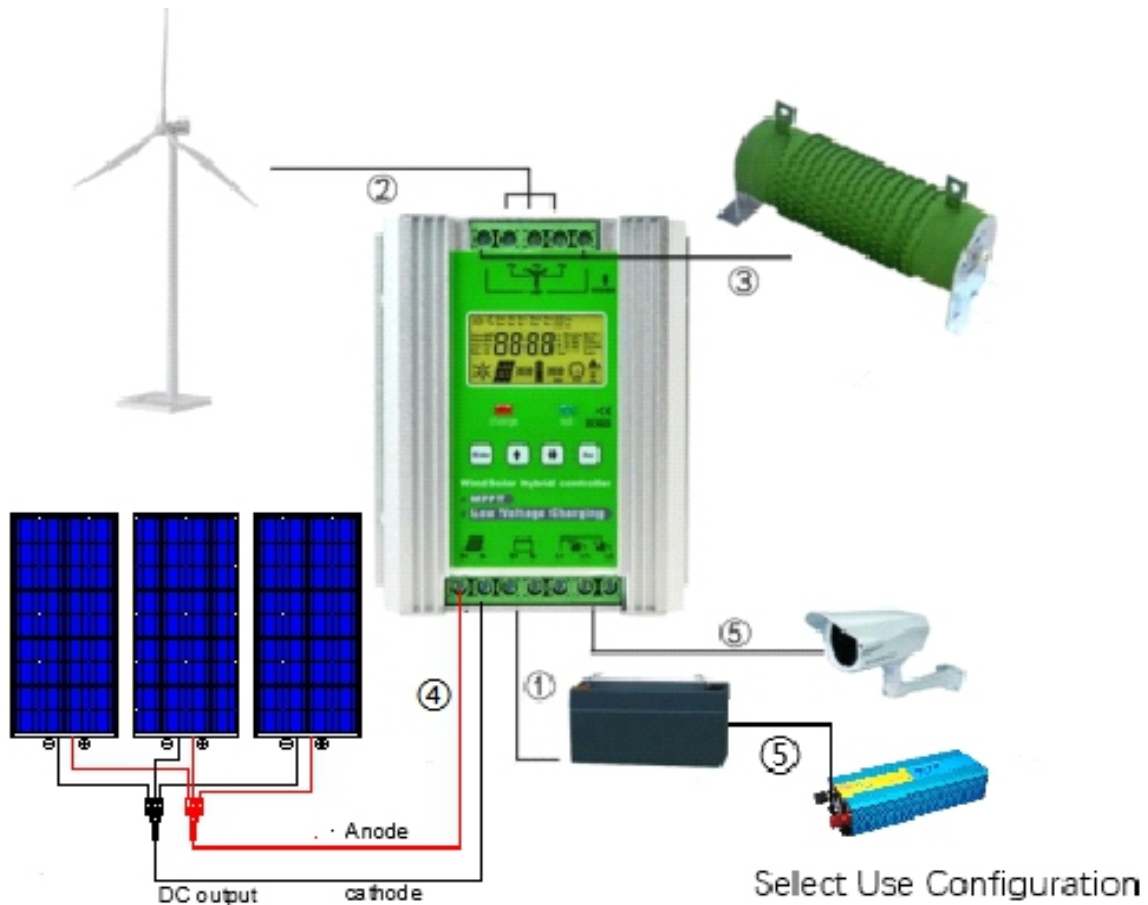
Schematic diagram of Controller Electrical



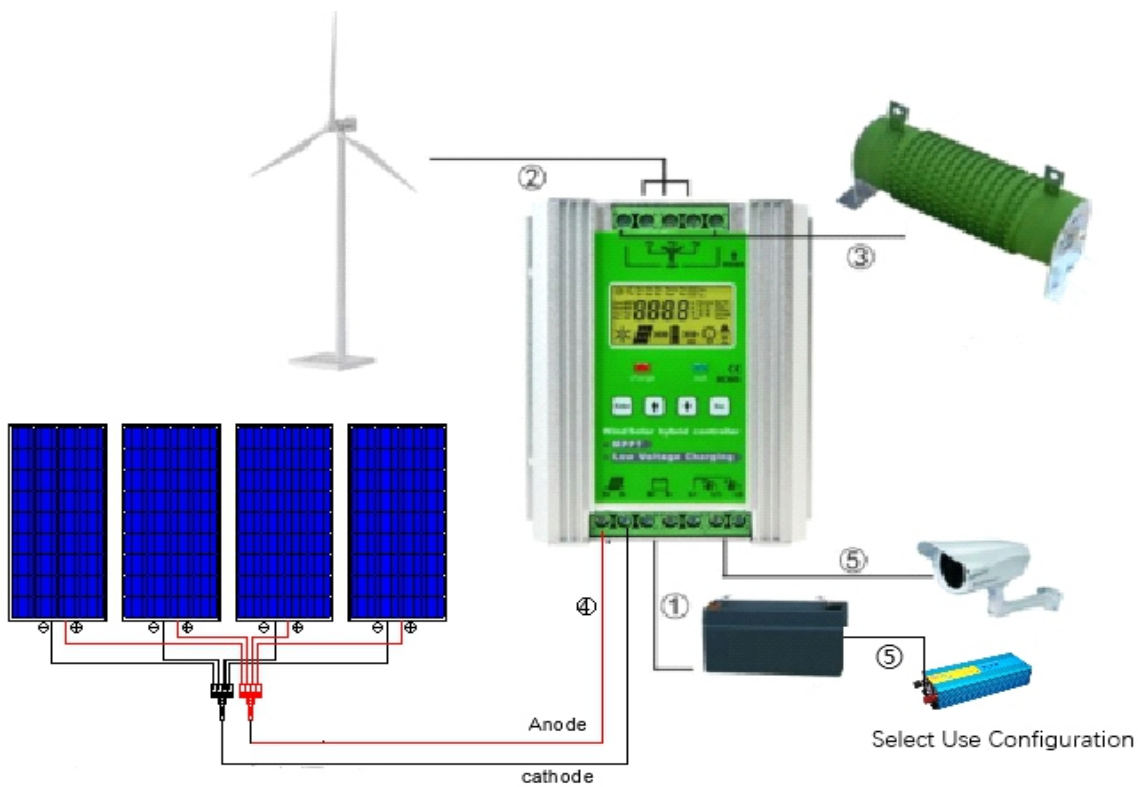
300W Wiring Diagram :



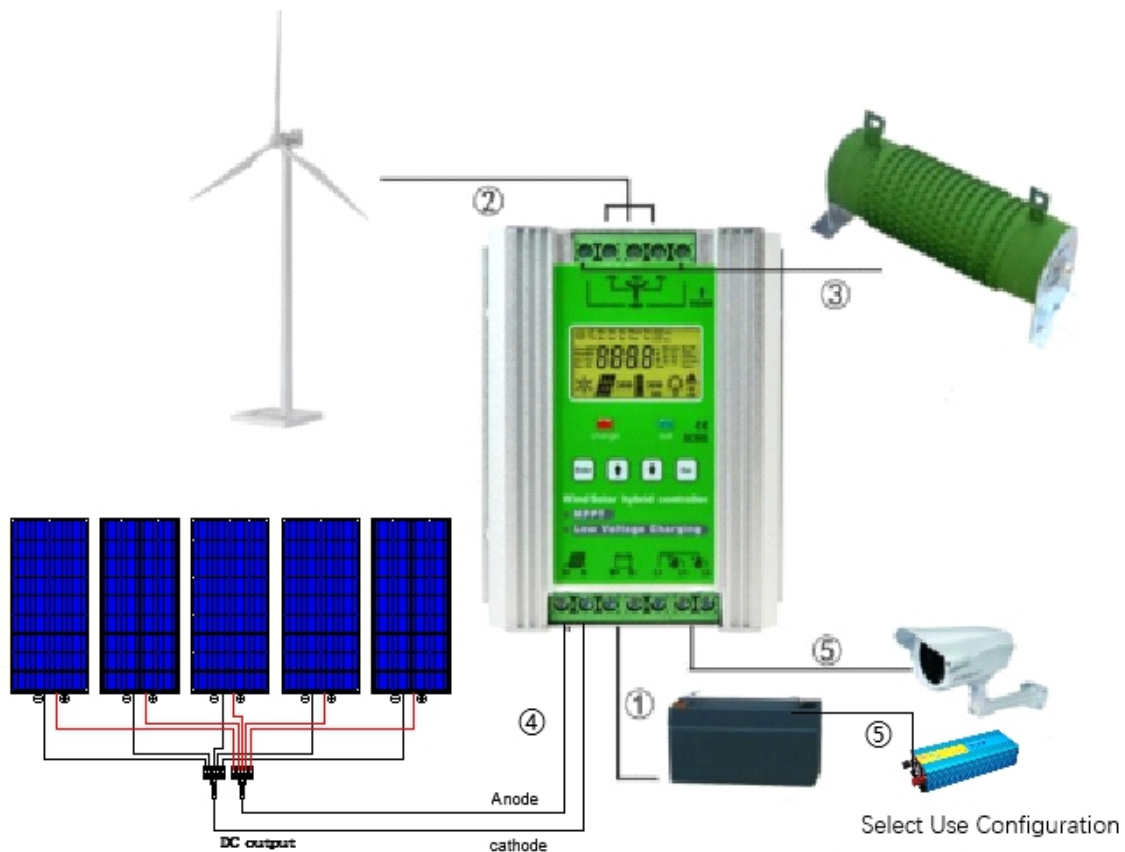
450W Wiring Diagram :



400W Wiring Diagram :



500W Wiring Diagram :



Installation Guide :

STEP 1: Select a fixed location to install the storage battery.

- (1) Install the battery in a safe and fixed place.
- (2) The storage battery shall be fixed indoors or outdoors in a rain free place.

STEP 2: Install the wind turbine generator.

- (1) Install the fan in a safe position with strong wind
- (2) Install the discharge resistance device on the controller.

STEP 3: Install the controller.

- (1) Install the controller in a fixed position.
- (2) The controller shall be fixed indoors or outdoors in a rain free place.

STEP 4: Install the solar panels and choose a fixed location.

(1) Install the Solar Panel

- Option A: The solar panels are mounted on portable stands;
 - Option B: Hang the solar photovoltaic panel holder in a secure and fixed position.
- (2) Cautions: The solar panel needs to be installed firmly, the installation location should be without shelter , and it can be fully and normally lighted by sunlight.

STEP 5: Installation of inverter(Select Use Configuration).

- (1) The inverter can be fixed at indoor or outdoor where it is out of the rain.

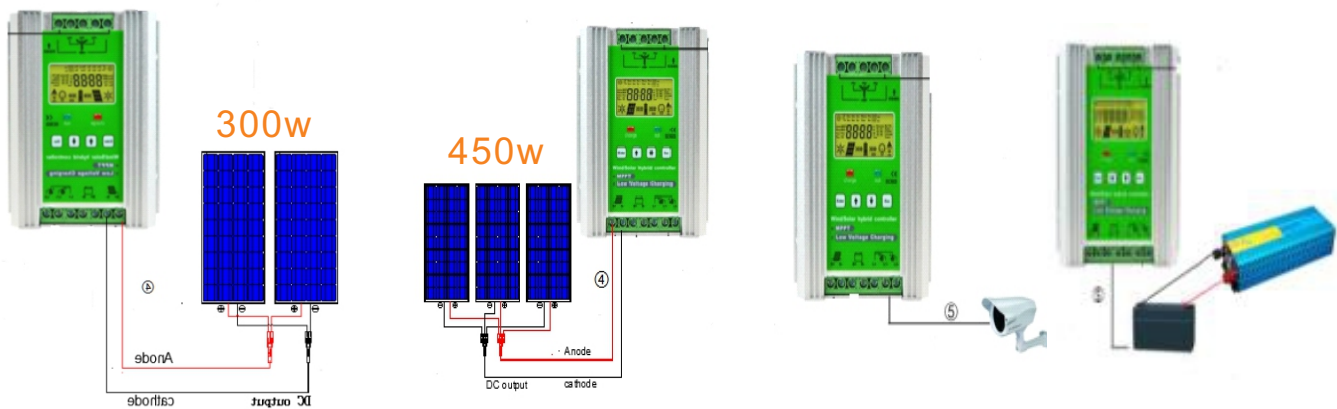
STEP 6: Connecting line.



- (1) Connect the storage battery to the controller with wires.



- (2) Wire the wind generator to the controller.
- (3) Install the discharge resistor device on the controller.



(4) Wire the solar panel to the controller.

(5) Connect the DC load to the controller, or connect the inverter (select the configuration) to the controller.

STEP 7: After completing the above steps, Observe the Working Status of the System After the system is assembled, pay close attention to the working status. If there is any abnormality, please turn off the power, and check it immediately.

Malfunction Analysis

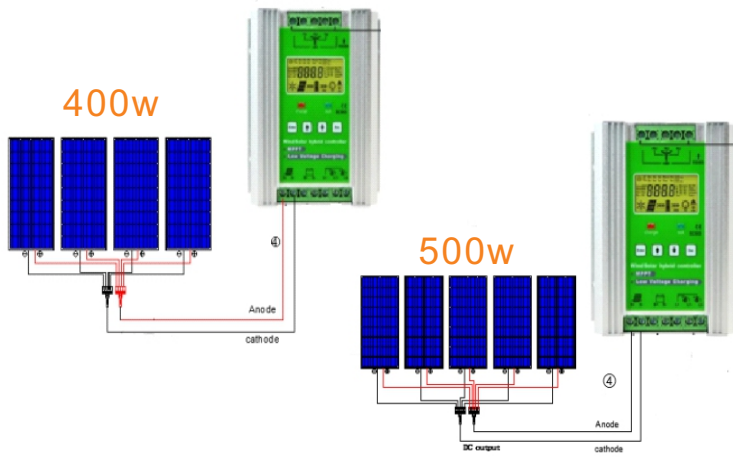
The controller displays UOVER and the icon flashes

Possible reasons:

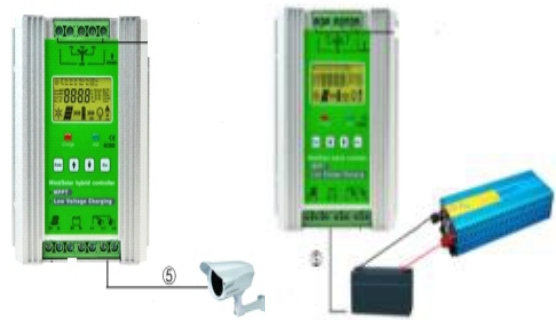
1. The controller overvoltage protection point is lower than the highest value of the charging range;
2. Battery aging or overdischarge;
3. Large load dynamic change;

The solution:

1. Set the battery overvoltage protection point through the equipment keys or APP;
2. Change the battery for aging;
3. Reduce the large dynamic change of the load;



(4) Wire the solar panel to the controller.



(5) Connect the DC load to the controller, or connect the inverter (select the configuration) to the controller.

STEP 7: After completing the above steps, Observe the Working Status of the System After the system is assembled, pay close attention to the working status. If there is any abnormality, please turn off the power, and check it immediately.

Malfunction Analysis

The controller displays UOVER and the icon flashes

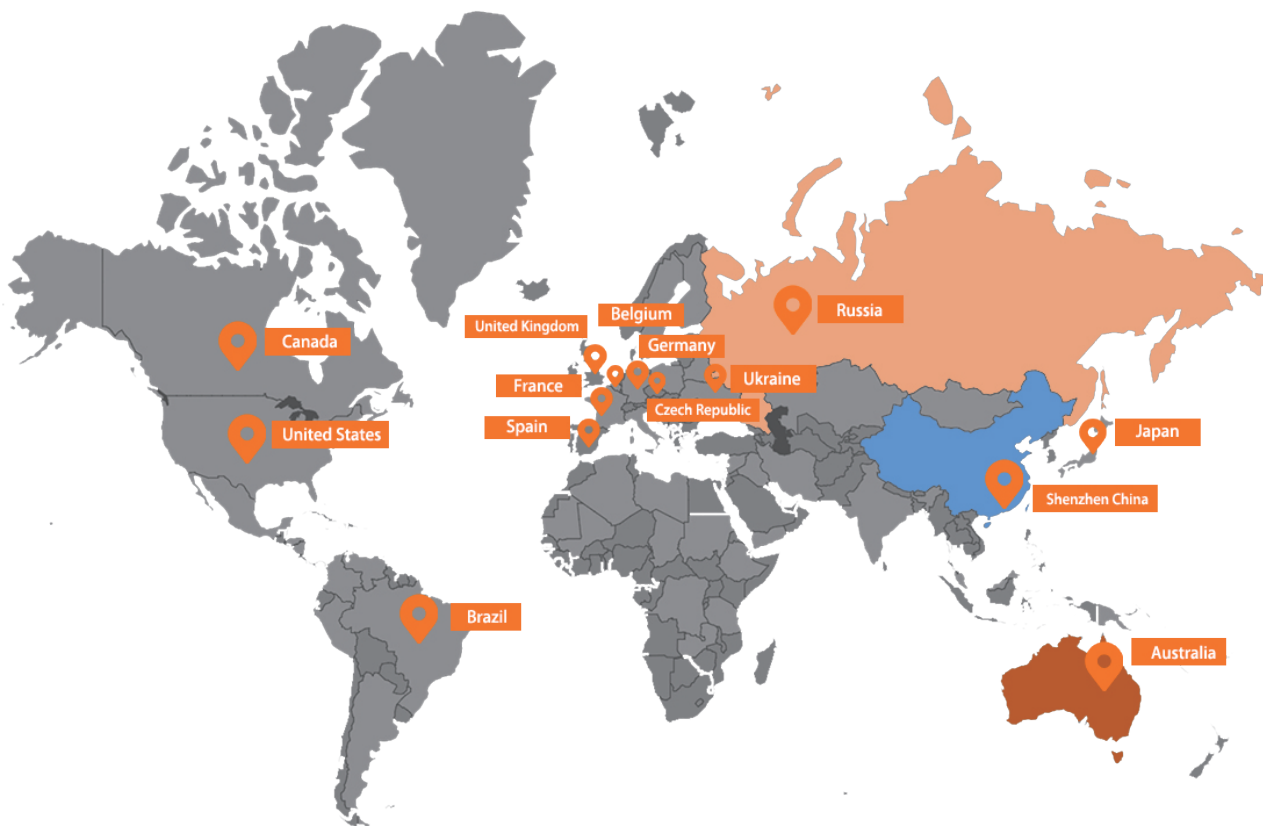
Possible reasons:

1. The controller overvoltage protection point is lower than the highest value of the charging range;
2. Battery aging or overdischarge;
3. Large load dynamic change;

The solution:

1. Set the battery overvoltage protection point through the equipment keys or APP;
2. Change the battery for aging;
3. Reduce the large dynamic change of the load;

Global Markets Distribution



Contact us:

Company: Shenzhen Solarparts Co.,Ltd.

Address: 401, Bldg B, 3th Road, Xinglian industriaPark, Hehua
community, Pinghu Street, Longgang District, Shenzhen
City 518111 China

Phone: +86-755-28720791 Fax: +86-755 85233441 Mobile: +86-13923729619

Website: www.isolarparts.com Email: Philip@isolarparts.com



QR Code for Official Website
www.isolarparts.com



QR Code for On-line Shopping Sotore
www.xinpuguangsolar.com