



Shanghai Zixi Technology Co., Ltd

Innovative technology

Excellent quality

Serving the world

Common solar panel sets



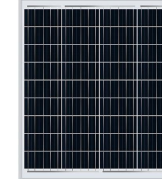
Model: TY-40W18V
Weight: 2.4kg
Size: 670 * 350 * 25
Peak voltage: 18.0
Peak current: 2.22
Open circuit voltage: 21.6
Short circuit current: 2.5



Model: TY-50W18V
Weight: 3.6kg
Size: 670 * 530 * 25
Peak voltage: 18.0
Peak current: 2.77
Open circuit voltage: 21.6
Short circuit current: 3.13



Model: TY-60W18V
Weight: 3.5kg
Size: 670 * 500 * 30
Peak voltage: 18.0
Peak current: 3.10
Open circuit voltage: 22.0
Short circuit current: 3.47



Model: TY-80W18V
Weight: 4.85kg
Size: 670 * 700 * 30
Peak voltage: 21.1
Peak current: 4.1
Open circuit voltage: 24.0
Short circuit current: 4.59



Model: TY-100W18V
Weight: 5.5kg
Size: 830 * 670 * 30
Peak voltage: 18.2
Peak current: 5.99
Open circuit voltage: 21.4
Short circuit current: 6.2



Model: TY-150W18V
Weight: 10kg
Size: 1150 * 670 * 30
Peak voltage: 18.0
Peak current: 7.7
Open circuit voltage: 23.4
Short circuit current: 7.92



Model: TY-200W18V
Weight: 12kg
Size: 1510 * 670 * 30
Peak voltage: 18.0
Peak current: 11.11
Open circuit voltage: 21.6
Short circuit current: 12.55



Model: TY-300W18V
Weight: 15kg
Size: 1700 * 885 * 35
Peak voltage: 20.2
Peak current: 14.8
Open circuit voltage: 23.5
Short circuit current: 15.6

solar array



Model: 12V10AH
Size: 200 * 120 * 55
Weight: 0.8KG
Charger: 12.6V 5A
Charging frequency: 2500 times
Service life: 3-5 years
Full charge time: 4 hours



Model: 12V20AH
Size: 200 * 120 * 55
Weight: 0.8kg
Charger: 12.6V 5A
Charging frequency: 2500 times
Service life: 3-5 years
Full charge time: 6 hours



Model: 12V40AH
Size: 200 * 150 * 110
Weight: 2.8kg
Charger: 12.6V 5A
Charging frequency: 2500 times
Full charge time: 8-10 hours



Model: 12V60AH
Size: 190 * 170 * 135
Weight: 3.8kg
Charger: 12.6V 5A
Charging frequency: 2500 times
Full charge time: 10-12 hours



Model: 12V80AH
Size: 210 * 170 * 135
Weight: 6.2kg
Charger: 12.6V 5A
Charging frequency: 2500 times
Full charge time: 9-10 hours



Model: 12V 100AH
Size: 240 * 170 * 135
Weight: 6.55kg
Charger: 12.6V 5A
Charging frequency: 2500 times
Full charge time: 9-10 hours



Model: 12V120AH
Size: 280 * 190 * 180
Weight: 8.15kg
Charger: 12.6V 5A
Charging frequency: 2500 times
Full charge time: 12-15 hours



Model: 12V120AH
Size: 282 * 190 * 184
Charger: 12.6V 5A
Charging frequency: 2500 times
Service life: 3-5 years
Full charge time: 12-15 hours



Model: 12V160AH
Size: 380 * 190 * 130
Weight: 9.15kg
Charger: 12.6V 2A
Charging frequency: 2500 times
Full charge time: 10-12 hours



Model: 12V200AH
Weight: 5.3kg
Size: 382 * 124 * 260
Charger: 12.6V 2A
Charging frequency: 2500 times
Full charge time: 10-12 years

Common accessories for solar energy



PMW controller 10A
This controller is automatically adapted to 12V/24V
This controller is suitable for various types of batteries
This controller can only use photovoltaic panels as a charging source



PMW controller 20A
This controller is automatically adapted to 12V/24V
This controller is suitable for various types of batteries
This controller can only use photovoltaic panels as a charging source



PMW controller 30A
This controller is automatically adapted to 12V/24V
This controller is suitable for various types of batteries
This controller can only use photovoltaic panels as a charging source



PMW controller 50A
This controller is automatically adapted to 12V/24V
This controller is suitable for various types of batteries
This controller can only use photovoltaic panels as a charging source



MPPT controller
Automatic identification of system voltage 12V/24V
Rated current optional 20A30A40A50A
Three stage charging method: constant current
→ constant voltage → float charging
Charging efficiency can reach 99.8%
With 485 communication and remote function added



MPPT controller
This controller is automatically adapted to 12V/24V
This controller is suitable for various types of batteries
This controller can only use photovoltaic panels as a charging source
Charging efficiency can reach 99.8%
With 485 communication and remote function added



MPPT controller
Automatic identification of system voltage 12V/24V
Rated current optional 10A 15A
This controller can only use photovoltaic panels as a charging source
Charging efficiency can reach 99.8%
With 485 communication and remote function added



MPPT controller
This controller is automatically adapted to 12V/24V
This controller is suitable for various types of batteries
This controller can only use photovoltaic panels as a charging source
Charging efficiency can reach 99.8%
With 485 communication and remote function added



MPPT controller
Automatic identification of system voltage 12V/24V
Rated current optional 30A40A
This controller can only use photovoltaic panels as a charging source
Charging efficiency can reach 99.8%
With 485 communication and remote function added



MPPT controller 60A
This controller is automatically adapted to 12V/24V
This controller is suitable for various types of batteries
This controller can only use photovoltaic panels as a charging source
Charging efficiency can reach 99.8%
With 485 communication and remote function added

Solar bracket group



Solar universal bracket
Galvanized steel material, sturdy and durable
Suitable for 680mm wide solar panels



Solar bracket
Galvanized steel material, sturdy and durable



Thirteen solar panel brackets
Galvanized steel material, sturdy and durable
Suitable for 992mm wide solar panels



Solar universal bracket
Galvanized steel material, sturdy and durable



Solar I-shaped bracket
Galvanized steel material, sturdy and durable
Suitable for 992mm wide solar panels



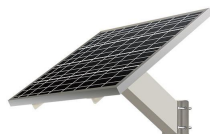
Solar floor bracket
Galvanized steel material, sturdy and durable
Suitable for solar panels within the diameter of the cross arm



Small solar bracket
Galvanized steel material, sturdy and durable
Suitable for 10-30W solar panels



M-shaped bracket for solar panels
Galvanized steel material, sturdy and durable
Suitable for 10-30W solar panels



New solar panel bracket
Galvanized steel material, sturdy and durable



Universal bracket+cross arm
Galvanized steel material, sturdy and durable
Suitable for solar panels within the diameter of the cross arm

Solar Energy Series Package



Low end version - Mobile Sentry



Mid range version - Mobile Sentry



High end version - Mobile Sentry



Barrel integrated set



Sheet metal integrated set



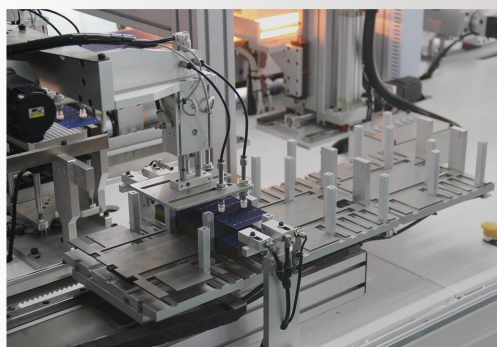
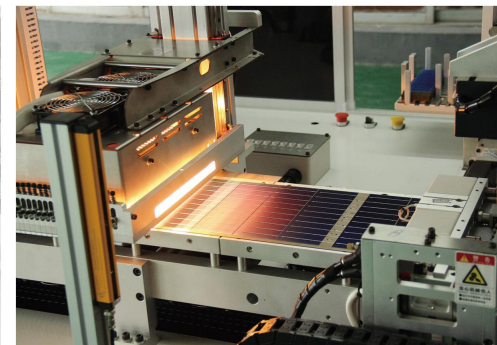
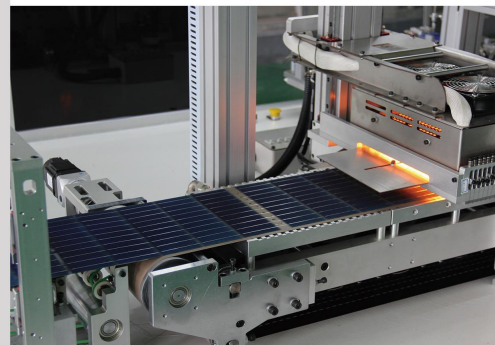
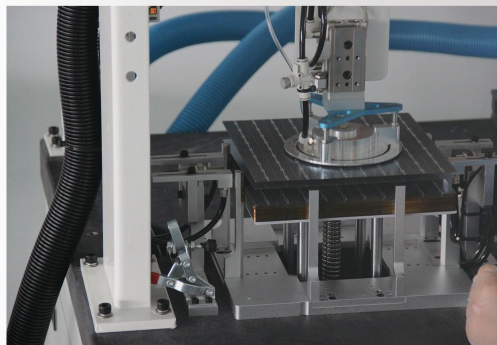
Small meteorological station

Introduction to photovoltaic panel production

The silicon wafers for solar panels currently use monocrystalline and polycrystalline silicon wafers, which are processed into silicon wafers to be processed through processes such as ingot casting, ingot breaking, and slicing. Doping and diffusing trace amounts of boron, phosphorus, etc. on silicon wafers. Then, using screen printing, the finely prepared silver paste is printed on the silicon wafer to form a grid line, which is then sintered and made into a back electrode. A layer of anti reflective coating is applied on the surface with the grid line, and the battery cell is thus made. The arrangement and combination of battery cells form battery components, forming a large circuit board.

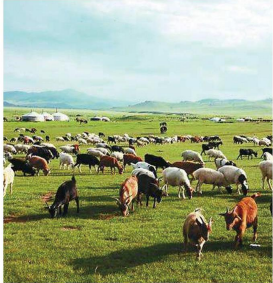
Generally, aluminum frames are wrapped around the components, with glass covering the front and electrodes installed on the back. With battery components and other auxiliary equipment, a power generation system can be formed. In order to convert direct current into alternating current, a current converter needs to be installed. After power generation, it can be stored in batteries or input into the public power grid.

Photovoltaic power generation is a technology that utilizes the photovoltaic effect at semiconductor interfaces to directly convert light energy into electrical energy. It mainly consists of four parts: solar panels (components), controllers, batteries, and inverters, with the main components composed of electronic components. After being connected in series, solar cells are packaged and protected to form large-area solar cell modules, which are combined with power controllers and other components to form photovoltaic power generation devices.

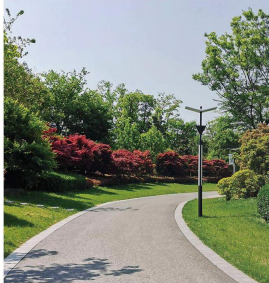


Professional manufacturer/strict quality control
Solar panel production process

USAGE SCENARIOS



Grassland Ranch Monitoring



Park monitoring



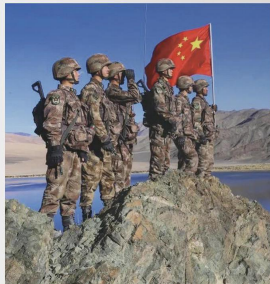
Orchard monitoring



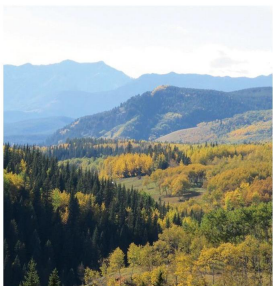
Monitoring of driving school examination venues



Community security monitoring



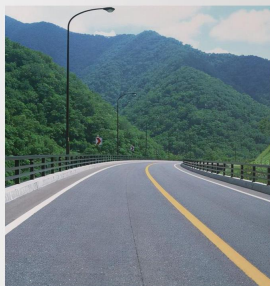
Border security monitoring



Forest fire monitoring



River and reservoir monitoring



Highway monitoring

THE CASE SHOWS

