

6V Mini Solar Panel Patron SP-7070-6V Mini Solar Panel Charger 0.65W

1. Standard Testing Conditions

AM1.5

E=1000W/m²

T=25°C

Luminous intensity: 38000Lux - 42000Lux

Thermal cycling test (provided by the supplier of floor material and surface material)

Thermal shock test (provided by the supplier of floor material and surface material)

Heat/freeze and high humidity cycle test (provided by the supplier of floor material and surface material)

Electrical isolation test (laboratory simulation data)

Hail impact test (laboratory simulation data)

Mechanical, wind and torsional load tests (laboratory simulation data)

Salt spray test (provided by the supplier of floor materials and surface materials)

Light and water exposure tests (laboratory simulation data)

Wet CO₂ / SO₂ (laboratory simulation data)

Model:	SP-7070-6V		
Brand:	Patron		
Size:	70mmx70mmx2.5mm		
Battery:	12		
Peak Power:	0.7WPoly	0.78W Mono	
Max Voltage:	18V		
Max Current:	110mA Poly	130mA Mono	
Open Voltage:	19.5V		
Short Current:	180mA Poly	200mA Mono	
Weight:	25g		
Size of cell	5mm*65mm		
Raw Material:	Poly-crystalline Silicon	Or	Mono crystalline silicon
	Epoxy Adhesive	Or	PET
	Printed Circuit Board (PCB)	Or	Fiberglass base plate,
	Plastic bottom plate		
	can be customized		
Color:	Customize		
attachment:	IDC Cable		
Warranty Period	Replacement for manufacturing defects within 5 years		
Quality Assurance Test:	Test ambient temperature 25 ° C ±2 ° C The humidity of the test environment is 60%-70% Light intensity 40*1000 LUX The vertical distance of light is 30cm Open-circuit test multimeter Load the test dedicated test stand Application battery charging		

	Storage environment 20cm above the ground; Humidity of 60% 70%; The normal temperature Working environment -20°C - +85°C Filling factor 78
Operating temperature:	-40°C to +85°C
Power Output	1 year:80% of its nominal power rating
Certificates	CE, RoHS, EMC
Maximum System Voltage	8V(UL)/10V(IEC) DC
Maximum Rated Current Series	1.5A
Temperature Coefficients of Pmax	-0.435%
Temperature Coefficients of Voc	-0.35%
Temperature Coefficients of Isc	0.043%

2. General Specification

The SP-7070-6V is a solar photovoltaic panel of 70mm*70mm*2.5mm, made from high conversion efficiency poly solar cells and using epoxy resin glue craft.

3. Features

- 1、 High cell efficiency with quality silicon materials for long term output stability;
- 2、 Strictly quality control ensure the stability and reliability, totally 23 QC procedures;
- 3、 High transmittance, crystal and clear appearance, pressure resistance and corrosion resistance ;
- 4、 Both Poly-crystalline and Mono-crystalline;
- 5、 Excellent performance in harsh weather;
- 6、 Outstanding electrical performance under high temperature and low irradiance;
- 7、 It's widely used for decorative lamps, electric toys, electronics, gifts and other industries;
- 8、 The size and shape can be customized;
- 9、 Our products are widely used in solar lighting, lamps, household electricity, traffic, communication, meteorological, building and photo-voltaic power plants and other fields.
10. High cell efficiency with quality silicon materials for long term output stability;
11. Strictly quality control ensure the stability and reliability, totally 23 QC procedures;
12. Used in glass laminated solar panels high transmittance low iron tempered glass or with enhanced stiffness and impact resistance;

13. Epoxy resin sealant materials with high transparency, high hardness and high strength are used in epoxy resin sealant solar panels;
14. In PET semi-flexible solar panels, high light transmittance, high hardness and high strength PET surface materials are used.
15. Excellent electrical performance at high temperature and low irradiance;
16. Can be widely used in decorative lights, electric toys, electronics, gifts and other industries;
17. Voltage, power, material, size and shape can be customized;
18. The products are widely used in solar lighting, lamps, household electricity, transportation, communications, meteorology, construction and photovoltaic power stations and other fields.
19. High quality solar cell, high solar energy conversion efficiency, up to 35%.
20. Monocrystalline or polycrystalline silicon solar cells are available.
21. Transparent low iron tempered glass and anodized alumina frame used in glass laminated solar panels ensure the modules work in extreme outdoor environments.
22. Glass laminated solar panels have a service life of up to 15 years. PET solar panels have a service life of up to 5 years; Epoxy rubber solar panels have a service life of 1-3 years.
23. Strict quality control, in line with the highest international standards;
24. Two professional plants of Patron manufacture world-class products in accordance with ISO 9001:2008 (Quality management system) certification;

4. Environmental conditions

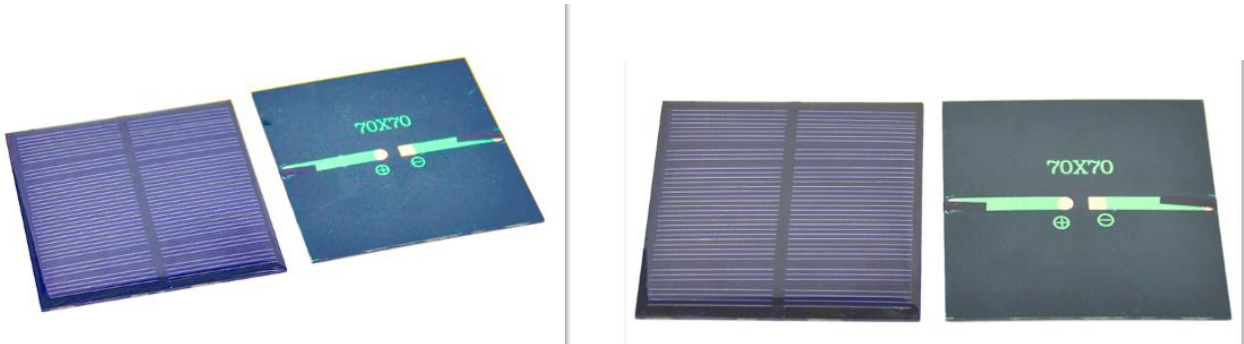
1. Please use in the sunshine without sheltering from sunlight.
2. When hand soldering, keep the temperature of iron $260 \pm 5^{\circ}\text{C}$ less than 3 seconds.

5. Attention

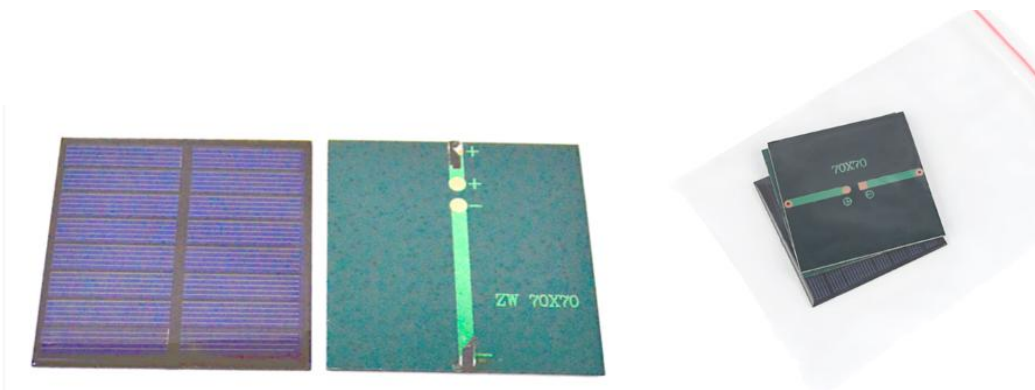
1. Avoid being scratched on the surface during usage.
2. Cannot be banded.
3. Cannot be put with strong corrosive substances, please clean it immediately if it has been exposed to corrosive substances.
4. Please pay attention that the positive pole and negative pole of the solar panel are connected correctly, avoid short circuit.

6. product display

7070-6V



77070-4V



77070-6V

