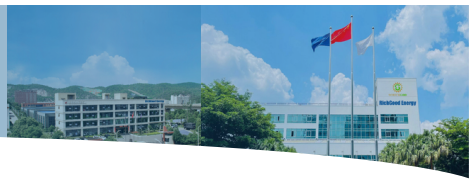
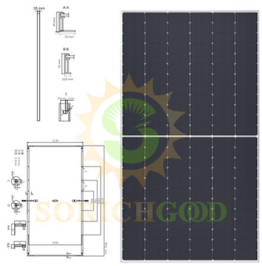


560W Mono Crystalline Solar Cell For Mechanical Load Requirements

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: JEK
- Certification: CE
- Model Number: PVSP565
- Minimum Order Quantity: 620 pcs per 40' HQ container
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



JEK-565~590W PHOTOVOLTAC SOLAR PANELS

Product Specification

- Rated Output Power (Pmpp/W): 560W-590W (depending On Model)
- Open Circuit Voltage (Voc): 50.99V - 51.63V
- Short Circuit Current (Isc): 13.89A - 14.38A
- Module Efficiency: 21.7% - 22.8%
- Maximum System Voltage (IEC/UL): 1500V
- Operating Temperature: -40°C To +85°C
- Highlight: **560w mono crystalline solar cell**, **50.99V mono crystalline solar cell**, **590w monocrystalline silicon solar cells**

Our Product Introduction

for more products please visit us on fuhaosolar.com

Product Description

560W High-Performance Monocrystalline Silicon Panels for Mechanical Load Requirements

Product Description

This high-efficiency monocrystalline silicon solar panel delivers superior performance, even in low-light environments. With a robust anodized aluminum frame and double glass for extra durability, the panel is designed to withstand extreme environmental conditions, including hail and high mechanical loads. The panel is ideal for both residential and commercial solar installations, offering optimal energy output and efficiency.

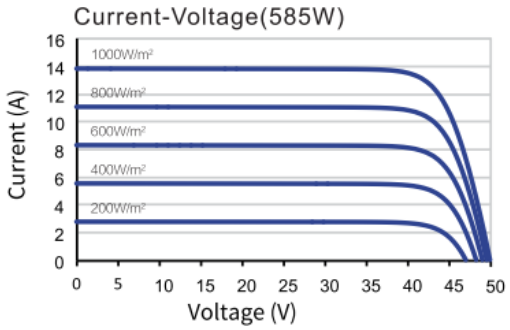
Mechanical parameters	
Battery arrangement	144(6×24)
Junction box	Split junction box,IP68,3 diodes
Output line	4mm²,+400,-200mm/±1400mm The wire length can be customized
glass	Double glass,2.0+2.0mm semi-tempered glass
frame	Anodized aluminum aloy frame
Component weight	31.8kg
Component size	2278×1134×30mm
36 pieces/pall Packaging information	et 180 pieces/20-foot flat cabinet,720 pieces/40-foot high cabinet, 720 pieces/13.5m flatbed,864 pieces/17.5m flatbed
Operating temperature	-40℃~+85℃
Power tolerances	0℃~3℃
Open-circuit voltage and short-circuit current tolerances	±3%
Maximum system voltage	DC1500V(IEC/UL)
Maximum fuse current rating	30A
Nominal operating temperature	45±2℃
Security protection level	Class II

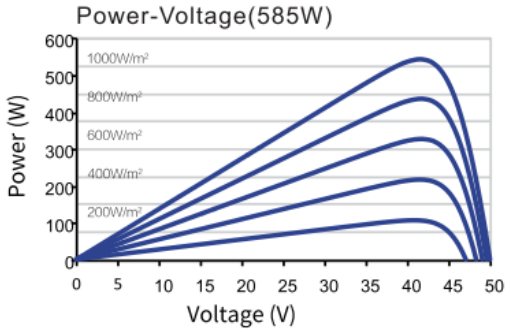
Two-sided factor	80±5%	
Component fire rating	UL type 29	IEC Class C

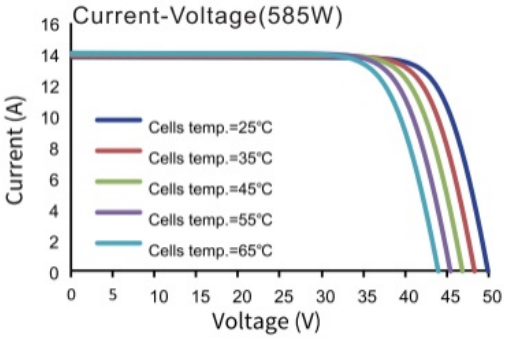
Load capacity	
Maximum static load on the front	5400Pa
Maximum static load on the back	2400Pa
Hail tested	The diameter is25mm,and the impact speed is 23m/s

Electrical performance parameters							
STC:AM1.51000W/m²25℃ NOCT:AM1.800W/m²20℃ 1/m²			Maximum Power Test Uncertainty:±3%				
Component mode	LR5-72HGD-560M	LR5-72HGD-565M	LR5-72HGD-570M	LR5-72HGD-575M	LR5-72HGD-580M LR5-72HGD-585M		LR5-72HGD-590M
Test conditions	STC NOCT	STC NOCT	STC NOCT	STC NOCT	STC NOCT	STC NOCT	STC NOCT
Maximum Power(Pmax/W)	560426.3	565430.1	570433.9	575437.7	580442.5	585445.5	590449.1
Open Circuit Voltage(Voc/V)	50.99 48.46	51.09 48.55	51.19 48.65	51.30 48.75	514148.86	51.51 48.96	51.63 49.07
Short CircuitCurrent/(Isc/V)	13.89 11.16	3.97 11.22	14.05 11.29	14.14 11.35	4.22 11.42	14.30 48	14.38 11.55
Peak Power Voltage (Vmp/V)	42.82 40.69	42.91 40.78	43.00 40.87	43.11 40.97	43.22 40.97	43.33 41.18	43.44 40.28
Peak Power Current(Imp/V)	13.08 10.48	13.17 10.55	13.26 10.62	13.34 10.68	13.42 10.75	13.21 10.82	13.59 10.89
Component Efficiency(%)	21.7	21.9	22.1	22.3	22.5	22.6	22.8

Curve







Application

The solar panel is suitable for large-scale solar farms, rooftop solar projects for residential or commercial use, and hybrid solar systems where space efficiency and maximum power output are critical. It is designed to withstand various environmental conditions, making it an ideal choice for areas with extreme temperatures or high mechanical load requirements.

Shipping Methods

Supports global air and sea shipping.

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