

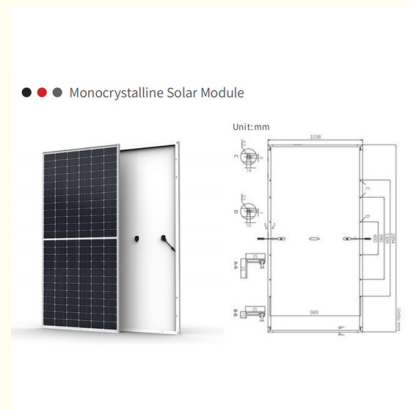


SK-P6 Monocrystalline Silicon Panels for Optimal Power Generation in Any Environment

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: TP
- Certification: CE
- Model Number: PV435
- Minimum Order Quantity: 300 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Power Output (Pmax): 450W
- Module Efficiency: 20.70%
- Maximum System Voltage: 1500V DC
- Temperature Coefficient Of P_{max} : $-0.35\%/^{\circ}\text{C}$
- Open-Circuit Voltage (Voc): 49.11V
- Short-Circuit Current (Isc): 11.63A
- Highlight: **1500v monocrystalline silicon panels,**
1500v monocrystalline silicon solar panels

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MONO HALF -CELL 9BB/10BB

Representation	Product Name	Half-Cell	Solar Cell Type	Wattage	Silicon Type
EXAMPLE	SK-450P6-144M	144 PCS	166×166MM	450W	M:Monocrystalline



Module efficiency upto 21.16 %



Less energy loss caused by shading due to new cell string layout and lower cell connection power loss due to half-cell design.



More power output in weak light condition such as cloudy, morning and sunset



Reliable quality leads to a better sustainability even in harsh environment



Lower operating temperature and temperature coefficient increases the power output



Excellent Anti-PID performance



2% more power generation, lower LCOE

We Can Provide All Kinds Of Solar Solutions According To Your Demands.

The SK-P6 series mono half-cell module is designed to provide superior performance and durability. With a high conversion efficiency of up to 21.16%, this module is ideal for residential, commercial, and industrial applications. The half-cell design reduces energy loss caused by shading and enhances the overall module efficiency. This series also boasts excellent performance under weak light conditions, ensuring optimal power generation even during cloudy, morning, or sunset periods. Furthermore, the robust construction offers higher durability against harsh environments, withstanding strong winds and heavy snow loads, while the anti-PID technology ensures long-term performance reliability.

ELECTRICAL PERFORMANCE						
Electrical Parameters at Standard Test Conditions (STC)						
Module Type	SK-435P6-144M	SK-440P6-144M	SK-445P6-144M	SK-450P6-144M	SK-455P6-144M	SK-460P6-144M
Power Output (P _{max} /W)	435W	440W	445W	450W	455W	460W
Power Output Tolerances	±3%	±3%	±3%	±3%	±3%	±3%
Module Efficiency (η _m)	20.01%	20.24%	20.47%	20.70%	20.93%	21.16%
Voltage at P _{max} (V _{mp} /M)	40.35V	40.55V	40.75V	40.95V	41.18V	41.37V
Current at P _{max} (I _{mp} /A)	10.78A	10.85A	10.92A	10.99A	11.05A	11.12A
Open-circuit Voltage (V _{oc} /M)	48.51V	48.72V	48.93V	49.11V	49.32V	49.53V
Short-circuit Current (I _{sc} /A)	11.45A	11.51A	11.57A	11.63A	11.69A	11.75A
STC: 1000W/m ² irradiance, 25°C module temperature, AM1.5g Spectrum according to EN 60904-3.						

Electrical parameters atNMOT(Irradiance800W/m2,ambienttemperature20°C,AM=1.5,windspeed1m)						
Module ype	SK-435P6-144M	SK-440P6-144M	SK-445P6-144M	SK-450P6-144M	SK-455P6-144M	SK-460P6-144M
PowerOutput(Pmax /W)	322W	326W	330W	333W	336W	339W
Voltage at Pmax(Vmp/M	37.5V	37.9V	38.1V	38.3V	38.5V	38.7V
Current atPmax(mp/A)	8.58A	8.6A	8.66A	8.7A	8.73A	8.76A
Open-circuit Voltage(Voc/M	46V	46.2V	46.3V	46.5V	46.7V	46.7V
Short-circuitCurrent(sc/A)	9.12A	9.17A	9.23A	9.29A	9.354	9.35A
ThermalCharacteristics				ConstructionMaterials		
Normaloperatingcellt emperature	NOCT	°C	45±2	Front cover(material/thick ness)	ow-iron tempered glass/3.2mm	
Temperaturecoefficie ncyof Pmax	γ	%/C	-0.35	Cell(quantity/mate rial)	144PCSMono Perc(166MM)	
Temperaturecoefficie ngyofVoc	βvoc	%/C	-0.27	Frame(Materials	anodized aluminumalloy/silv er/clear	
Temperaturecoefficie ngyofIsc	αIsc	%/C	0.05	Junctionbox(prote ction degree)	IP65	
Temperaturecoefficie ncyofVmpp	βvmpp	%/C	-0.42	Cable (length/crosS- sectional area	300mm/4mm2	
OperatingConditions			General Characteristics			
Max.system voltage	1500Vdc		ProductsDi mension(L W/H)	2094*1038*35mm		
Max.seriesfuse rating	20A		Weight	22.5KGS		
Operatingtemperatur e range	40°°Cto 85°C		QTY of perpallet	30pcs per pallet		
Max.staticload,front(e g,snow)	5400Pa		Packagingb oxdimension s	2295*1095*1145MM		
Max.staticload,back(e .g.wind)	2400Pa		No.ofpallets for 40HQcontai ners	22 Pallets(660PCS,GW:760KGS)		
Max.hailstoneimpact(diameter	25mm/23m/s	Note:This publication summarizesproductwarrantyandspecificationswhicharesu bjecttochangewithoutnotice				

Application

The SK-P6 series is perfect for solar projects that require high efficiency and durability. It is suitable for rooftop installations, solar farms, and other large-scale photovoltaic systems. With its lower temperature coefficient, this module performs well in areas with high temperature fluctuations. Its strong resistance to potential-induced degradation (PID) and ability to operate in harsh environmental conditions make it a reliable choice for long-term energy generation.

Shipping Methods

Supports global air and sea shipping.



RICHGOOD ENERGY CO.,LTD



willa@fuhaosolar.com



fuhaosolar.com

Rm3810 Baoli E Building Pa Zhou Haizhu district Guangzhou