



465W-485W Monocrystalline Silicon Panels for Residential and Commercial Solar Systems

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: GDQ
- Certification: IEC 61215 (2016) IEC 61730 (2016) ISO 9001:2015 ISO 45001:2018 ISO 14001:2015
- Model Number: Q465
- Minimum Order Quantity: 300 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



GDQX-465W-485W Semiconductor efficient photovoltaic modules

Product Specification

- Maximum Power (Pmax): 465W - 485W
- Module Efficiency: Up To 22.4%
- Voltage At Maximum Power 35.02V - 35.78V (Vmp):
- Open-circuit Voltage (Voc): 42.23V - 42.98V
- Short-circuit Current (Isc): 13.92A - 14.16A
- Temperature Coefficient Of $-0.34\%/^{\circ}\text{C}$ Pmax:
- Highlight: **485w monocrystalline silicon panels,**
465w monocrystalline silicon panels,
465w monocrystalline silicon solar panels

Product Description

465W-485W Monocrystalline Silicon Panels for Residential and Commercial Solar Systems

465W-485W

Semiconductor efficient photovoltaic modules



High efficiency & low attenuation
Power up to 485W with 22.4% efficiency



Anti-PID
Preferred encapsulation materials and strict process solutions to ensure the module's PID resistance



Stronger & More Reliable
Front side max 5400Pa ;Rear side max 2400Pa



Excellent low light effect
Higher output in low light conditions such as overcast, morning and sunset

Product Description:

This 465W-485W Monocrystalline photovoltaic module is designed for high efficiency and reliable performance. With a power output up to 485W and an efficiency of 22.4%, it guarantees excellent energy generation even in weak light conditions such as cloudy, morning, or sunset. The module features PID resistance, ensuring long-term reliability and minimal power degradation. It also comes with robust mechanical properties to withstand wind and snow loads, providing durability against extreme environmental conditions.

Mechanical specifications			
Cell Type	TOPCON 182*91mm	OPERATING PARAMETR	
No.OfCells	120 M(6*20)	Max.System Voltage	1500V/DC
Junction Box	IP68.3 diodes	Operation Temperature	-40°C-85°C
Frame	Anodized frame	Max.Snow Load(Front)	5400Pa
Weight	24Kg±3%	Max.Wind Load(Front)	3600Pa
Dimension	1910*1134*30mm	NOCT	45±2°C
Cable	4mm²,350mm in length,canbe customized	Customizablē	Allblack Double glass
Glass	Single glass,3.2mm high transmission,antireflection coating		
Electrical Characteristics			
Module Type	120M		
	STC NOCI SIC NOCT SIC NOCT SIC NOCI SIC NOCI		
Maximum Power(Pmax)	465W 350W 470W 353W 475W 357W 480W 361w 485W 365W		
Maximum Power Voltage (Vmp)	35.02V 32.75V 35.21V 32.92V 35.4V 33.09V 35.59V 33.26V 35.78V 33.41V		
Maximum Power Current (imp)	13.28V 10.69V 13.35V 10.73V 13.42V 10.79V 13.49V 10.86V 13.56V 10.93V		
Open-circuit Voltage (Voc)	42.23A 40.06A 42.42A 40.2A 42.61A 40.34A 42.8A 40.48A 42.99A 40.6A		
Short-circuit Curent (Isc)	13.92A 11.35A 13.98A 11.42A 14.04A 11.49A 14.1A 11.56A 14.16A 11.63A		
	79.11% 79.26% 79.41% 79.56% 79.70%		
Module Efficiency SIC(%)	21.47% 21.70% 21.93% 22.16% 22.39%		

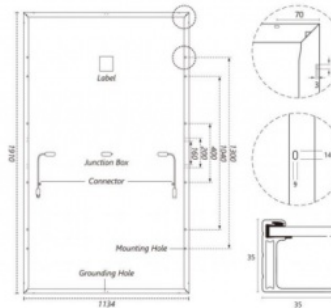
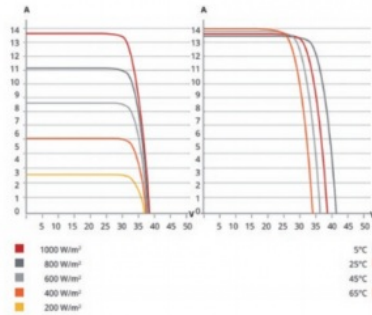
TemperatureCharacteristics	
NMOT	45+2°C
Temp Coefficient of ISC	+0.05%/°C
Temp Coefficient of VOC	-0.28%/°C
Temp Coefficientof Pmax	-0.34%/°C
Modules/Pallet	36Pieces
Modules/40Contoine r	864Pieces
Pockaging Description	24Pallets Tota=(36+36)*12=864Pieces

Maximum module efficiency 22.4%

First year power degradation <1%

Decline year by year <0.4%

Current-Voltage & Power-Voltage Curves



Application:

This photovoltaic module is ideal for both residential and commercial solar energy systems. It is especially suited for installations requiring high power output and efficiency. With enhanced performance in low light, the module can be used in various regions with varying sunlight exposure.

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