



Global PV Power System Integrated Service Provider

Product specification

Guangdong Jingtian New Energy Electric Power Co.Ltd

First edition in March 2020

The logo for FUSOLI, featuring the word "FUSOLI" in a bold, blue, sans-serif font. The letter "O" is replaced by a stylized globe icon with blue and yellow grid lines. The background of the entire image is a bright blue sky with a sunburst effect in the top left corner and a perspective view of a solar panel array in the foreground.

FUSOLI

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440W Half-cell Module PERC

JT72M 410-440W/BP

Introduction

The half-cell Module combined with efficient PERC bifacial battery technology and double glass structure, absorb energy from the front of the module , reflected light and scattered light from the back. Make it better power generation capacity, better low irradiation performance and higher reliability.



3%~15% more energy generation



Framed design, ease of transportation and installation



Superior low irradiance performance



Excellent temperature dependent performance

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2017 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval



Mono

ELECTRICAL PARAMETERS AT STC

TYPE	JT72D09-410/BP	JT72D09-420/BP	JT72D09-430/BP	JT72D09-440/BP
Rated Maximum Power(Pmax) [W]	410	420	430	440
Open Circuit Voltage(Voc) [V]	46.79	47.39	47.99	48.5
Short Circuit Current(Isc) [A]	10.82	10.96	11.10	11.24
Maximum Power Voltage(Vmp) [V]	39.65	40.05	40.45	40.85
Maximum Power Current(Imp) [A]	10.35	10.49	10.63	10.77
Module Efficiency [%]	18.79	19.15	19.51	19.9
Power Tolerance	±3%			
Maximum System Voltage	100VDC/1500VDC			
Maximum Series Fuse Rating	20A			
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G			

Temperature Characteristics

Pmaximum Temperature Coefficient	-0.38 %/°C
Voc Temperature Coefficient	-0.28 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40 ~ +85 °C
Normal Working Cell Temperature	45±2°C

Mechanical Specifications

External Dimensions	2108 x 1048 x 40 mm
Weight	24.0KG
Solar Cells	PERC Mono Crystalline 160.75 x 80.375 mm(144片)
Front Glass	3.2 mm AR coating tempered glass,low iron
Frame	Anodized aluminum alloy
Junction Box	IP68 , 3 diodes
Output Cable	4.0mm ² , 1000mm
Connector	MC4 Compatible
Mechanical load	5400 pa



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