

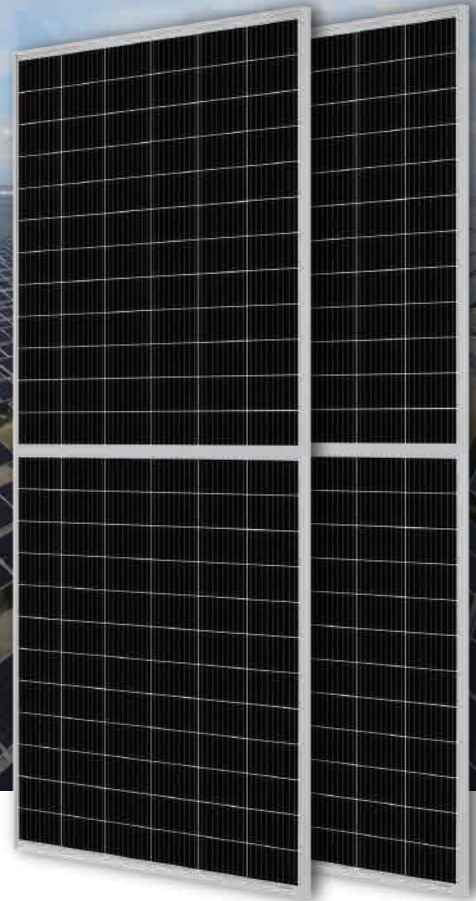
Mono

425W 9BB Half-cell n-type Bifacial Mono Double Glass Module

JAM72D10 405-425/TB/1500V Series

Introduction

Assembled with 9BB n-type bifacial mono cells and half-cell configuration, these double glass modules have the capability of converting the incident light from the rear side together with the front side into electricity, providing higher outdoor power generation, lower temperature coefficient, lower LID, better weak illumination response, and higher reliability.



Higher power generation



Better weak illumination response



Lower LID

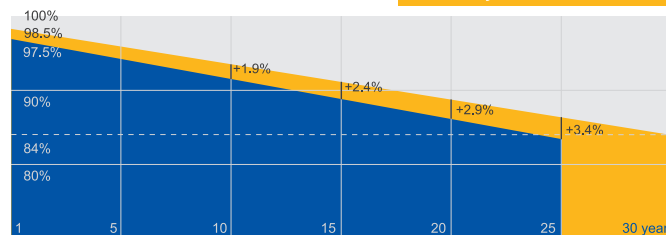


Lower temperature coefficient

Superior Warranty

- 12-year product warranty
- 30-year linear power output warranty

0.5% Annual Degradation Over 30 years



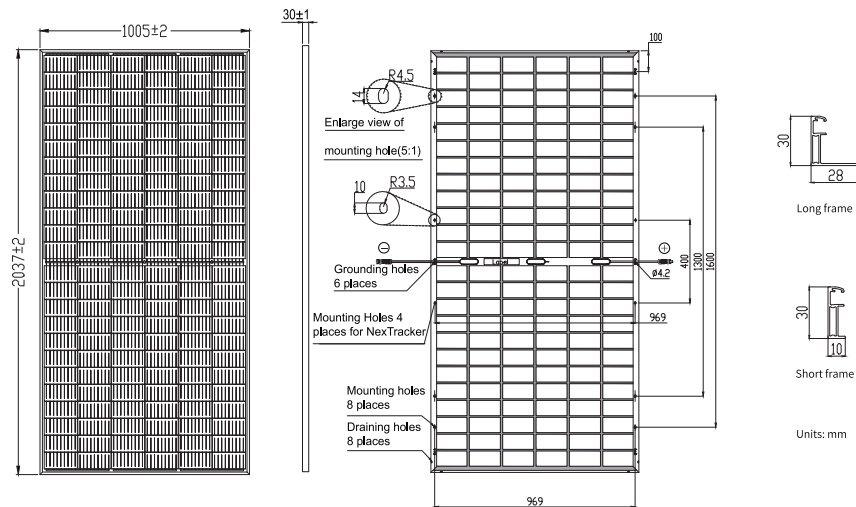
■ Additional Value From 30-Year Warranty ■ JA Standard

Comprehensive Certificates

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 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



MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	n-type mono
Weight	25.0kg±3%
Dimensions	2037±2mm×1005±2mm×30±1mm
Cable Cross Section Size	4mm ²
No. of cells	144(6×24)
Junction Box	IP68, 3 diodes
Connector	Genuine MC4-EVO2 QC4.10-35/45
Cable Length (Including Connector)	Portrait:300mm(+)/400mm(-); Landscape:1200mm(+)/1200mm(-)
Country of Manufacturer	China/Vietnam
Front Glass/ Back Glass	2.0mm/2.0mm

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D10 -405/TB/1500V	JAM72D10 -410/TB/1500V	JAM72D10 -415/TB/1500V	JAM72D10 -420/TB/1500V	JAM72D10 -425/TB/1500V
Rated Maximum Power(Pmax) [W]	405	410	415	420	425
Open Circuit Voltage(Voc) [V]	50.48	50.56	50.65	50.73	50.81
Maximum Power Voltage(Vmp) [V]	41.67	42.01	42.35	42.69	43.02
Short Circuit Current(Isc) [A]	10.24	10.28	10.32	10.36	10.40
Maximum Power Current(Imp) [A]	9.72	9.76	9.80	9.84	9.88
Module Efficiency [%]	19.8	20.0	20.3	20.5	20.8
Power Tolerance	0~+5W				
Temperature Coefficient of Isc(α_Isc)	+0.039%/°C				
Temperature Coefficient of Voc(β_Voc)	-0.25%/°C				
Temperature Coefficient of Pmax(γ_Pmp)	-0.31%/°C				
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G				

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types. Measurement tolerance at STC: Pmax ±3 %, Voc ±2% and Isc ±4%.

ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN(REFERENCE TO 415W FRONT)

OPERATING CONDITIONS

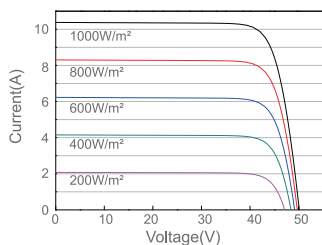
Backside Power Gain	5%	10%	15%	20%	25%	Maximum System Voltage	1500V DC(IEC)
Rated Max Power(Pmax) [W]	436	457	477	498	519	Operating Temperature	-40°C~+85°C
Open Circuit Voltage(Voc) [V]	50.15	50.15	50.15	50.25	50.25	Maximum Series Fuse	20A
Max Power Voltage(Vmp) [V]	42.35	42.35	42.35	42.45	42.45	Maximum Static Load,Front*	3600Pa, 1.5
Short Circuit Current(Isc) [A]	10.90	11.42	11.94	12.46	12.98	Maximum Static Load,Back*	1600Pa, 1.5
Max Power Current(Imp) [A]	10.29	10.78	11.27	11.73	12.22	NOCT	45±2°C
						Bifaciality**	75%±5%

*For NexTracker installations static loading performance: front load measure 2400Pa, while back load measures 1800Pa.

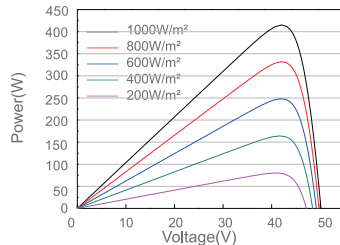
**Bifaciality=Pmax,rear/Rated Pmax,front

CHARACTERISTICS

Current-Voltage Curve JAM72D10-415/TB/1500V



Power-Voltage Curve JAM72D10-415/TB/1500V



Current-Voltage Curve JAM72D10-415/TB/1500V

