



Less shading and lower resistive loss



Better mechanical loading tolerance

Superior Warranty



25-year linear power output warranty



■ New linear power warranty ■ Standard module linear power warranty

Comprehensive Certificates

- IEC 61215, IEC 61730,UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001:2018 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







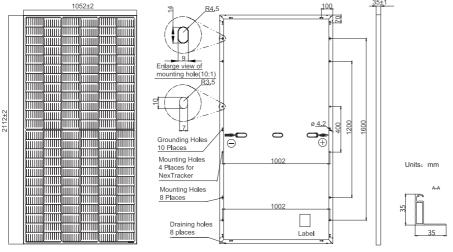






JAM72S20 445-470/MR Series

MECHANICAL DIAGRAMS



SPECIFICATIONS

Cell	Mono				
Weight	24.7kg±3%				
Dimensions	2112±2mm×1052±2mm×35±1mm				
Cable Cross Section Siz	ze 4mm² (IEC) , 12 AWG(UL)				
No. of cells	144 (6×24)				
Junction Box	IP68, 3 diodes				
Connector	QC 4.10(1000V) QC 4.10-35(1500V)				
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); Landscape: 1200mm(+)/1200mm(-)				
Packaging Configuration	n 31pcs/pallet 682pcs/40ft Container				

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC										
TYPE	JAM72S20 -445/MR	JAM72S20 -450/MR	JAM72S20 -455/MR	JAM72S20 -460/MR	JAM72S20 -465/MR	JAM72S20 -470/MR				
Rated Maximum Power(Pmax) [W]	445	450	455	460	465	470				
Open Circuit Voltage(Voc) [V]	49.56	49.70	49.85	50.01	50.15	50.31				
Maximum Power Voltage(Vmp) [V]	41.21	41.52	41.82	42.13	42.43	42.69				
Short Circuit Current(Isc) [A]	11.32	11.36	11.41	11.45	11.49	11.53				
Maximum Power Current(Imp) [A]	10.80	10.84	10.88	10.92	10.96	11.01				
Module Efficiency [%]	20.0	20.3	20.5	20.7	20.9	21.2				
Power Tolerance			0~+5W							
Temperature Coefficient of $Isc(\alpha_Isc)$			+0.044%/°C							
Temperature Coefficient of Voc(β_Voc)			-0.272%/°C							
Temperature Coefficient of Pmax(γ_Pm	np)		-0.350%/°C							

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.

ELECTRICAL PARAM	METERS		OPERATING CONDITIONS					
TYPE	JAM72S20 -445/MR	JAM72S20 -450/MR	JAM72S20 -455/MR	JAM72S20 -460/MR	JAM72S20 -465/MR	JAM72S20 -470/MR	Maximum System Voltage	1000V/1500V DC
Rated Max Power(Pmax) [W]	336	340	344	348	352	355	Operating Temperature	-40°C~+85°C
Open Circuit Voltage(Voc) [V]	46.65	46.90	47.15	47.38	47.61	47.84	Maximum Series Fuse Rating	20A
Max Power Voltage(Vmp) [V]	38.95	39.19	39.44	39.68	39.90	40.10	Maximum Static Load,Front* Maximum Static Load,Back*	5400Pa(112 lb/ft²) 2400Pa(50 lb/ft²)
Short Circuit Current(Isc) [A]	9.20	9.25	9.29	9.33	9.38	9.42	NOCT	45±2℃
Max Power Current(Imp) [A]	8.64	8.68	8.72	8.76	8.81	8.86	Safety Class	Class II
NOCT	Irradian	ce 800W/m²,	ambient temp	oerature 20°0	C,wind speed	1m/s, AM1.5G	Fire Performance	UL Type 1

Irradiance 1000W/m², cell temperature 25°C, AM1.5G

CHARACTERISTICS

STC

Current-Voltage Curve JAM72S20-455/MR

