



Higher output power



More reliable, more stable power generation



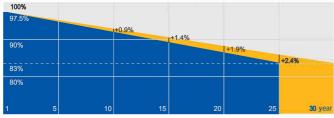
Less shading effect



Lower temperature coefficient

(Superior Warranty)

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



Additional Value From 30-Year Warranty

JA Standard

(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





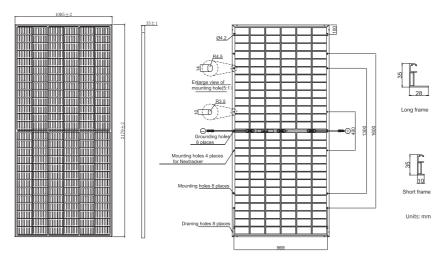








MECHANICAL DIAGRAMS



SPECIFICATIONS

	Cell	Mono				
	Weight	27.1kg±3%				
	Dimensions	2179±2mm×1005±2mm×35±1mm				
	Cable Cross Section Size	4mm² (12AWG)				
	No. of cells	156 (6×26)				
	Junction Box	IP68, 3 diodes				
	Connector	QC 4.10-35				
	Cable Length (Including Connector)	Portrait:300mm(+)/400mm(-); Landscape:1200mm(+)/1200mm(-)				
	Front Glass/Back Glass	2.0mm/2.0mm				
	Packaging Configuration	31 Per Pallet				

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STO)
TYPE	

TYPE	JAM78D10 -430/MB	JAM78D10 -435/MB	JAM78D10 -440/MB	JAM78D10 -445/MB	JAM78D10 -450/MB		
Rated Maximum Power(Pmax) [W]	430	435	440	445	450		
Open Circuit Voltage(Voc) [V]	52.46	52.74	53.01	53.29	53.58		
Maximum Power Voltage(Vmp) [V]	43.93	44.31	44.68	44.96	45.28		
Short Circuit Current(Isc) [A]	10.28	10.32	10.37	10.42	10.46		
Maximum Power Current(Imp) [A]	9.79	9.82	9.85	9.90	9.94		
Module Efficiency [%]	19.6	19.9	20.1	20.3	20.5		
Power Tolerance			0~+5W				
Temperature Coefficient of $Isc(\alpha_Isc)$			+0.044%/°C				
Temperature Coefficient of $Voc(\beta_Voc)$			-0.272%/°C				
Temperature Coefficient of Pmax(γ_Pmp)			-0.354%/°C				
STC	Irradiance 1000W/m², cell temperature 25°C, AM1.5G						

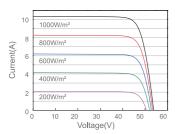
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

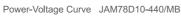
ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN(REFRENCE TO 435W FRO							
Backside Power Gain	5%	10%	15%	20%	25%		
Rated Max Power(Pmax) [W]	457	479	500	522	544		
Open Circuit Voltage(Voc) [V]	53.60	53.60	53.60	53.70	53.70		
Max Power Voltage(Vmp) [V]	44.35	44.35	44.35	44.45	44.45		
Short Circuit Current(Isc) [A]	10.82	11.33	11.85	12.36	12.88		
Max Power Current(Imp) [A]	10.30	10.79	11.28	11.74	12.23		
*For NexTracker insallations, Maximum Static Load,Front is 1800Pa while Maximum Static Load,Back is 1800Pa. **Bifaciality=Pmax,rear/Rated Pmax,front							

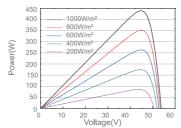
OPERATING CONDITIONS Maximum System Voltage 1500V DC(UL) Operating Temperature -40°C~+85°C Maximum Series Fuse 20A Maximum Static Load,Front* Maximum Static Load,Back* 5400Pa(112 lb/ft²) 2400Pa(50 lb/ft²) NOCT 45±2°C Bifaciality** 70%±10% Fire Performance Type 29

CHARACTERISTICS

Current-Voltage Curve JAM78D10-440/MB







Current-Voltage Curve JAM78D10-440/MB

