

Harvest the Sunshine

Mono

375W MBB Half-Cell Black Module JAM60S21 355-375/MR Series

Introduction

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, better temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.



Higher output power



Lower LCOE



Less shading and lower resistive loss

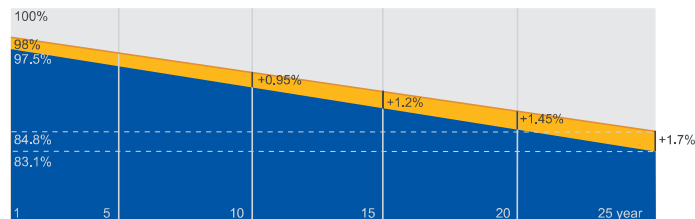


Better mechanical loading tolerance

Superior Warranty

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

**0.55% Annual Degradation
Over 25 years**



■ New linear power warranty ■ Standard module liner power warranty

Comprehensive Certificates

- IEC 61215, IEC 61730, UL 61215, UL 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



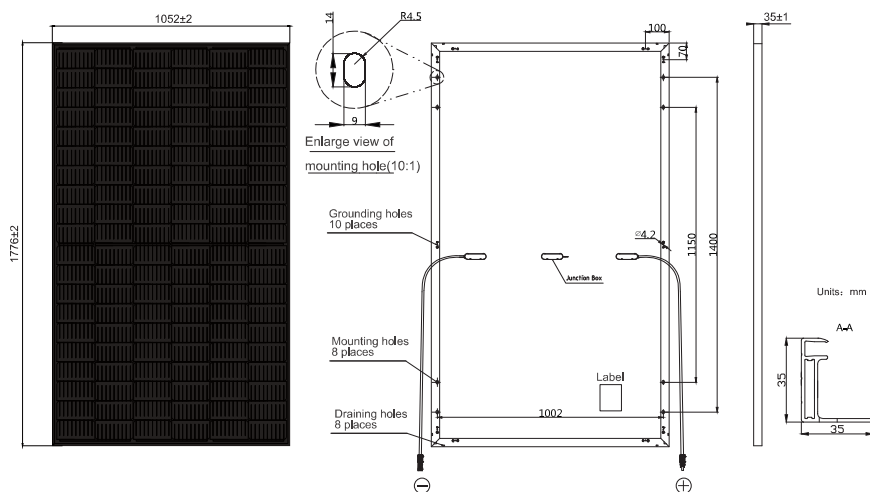
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Specifications subject to technical changes and tests.
JA Solar reserves the right of final interpretation.



MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	20.7kg±3%
Dimensions	1776±2mm×1052±2mm×35±1mm
Cable Cross Section Size	4mm ² (IEC) ,12 AWG(UL)
No. of cells	120(6×20)
Junction Box	IP68, 3 diodes
Connector	MC4 (1000V) MC4-EVO2 (1500V)
Cable Length (Including Connector)	1200mm(+)/1200mm(-)
Packaging Configuration	31pcs/Pallet 744pcs/40ft Container

ELECTRICAL PARAMETERS AT STC

TYPE	JAM60S21 -355/MR	JAM60S21 -360/MR	JAM60S21 -365/MR	JAM60S21 -370/MR	JAM60S21 -375/MR
Rated Maximum Power(P _{max}) [W]	355	360	365	370	375
Open Circuit Voltage(V _{oc}) [V]	40.80	40.97	41.13	41.30	41.45
Maximum Power Voltage(V _{mp}) [V]	33.34	33.65	33.96	34.23	34.50
Short Circuit Current(I _{sc}) [A]	11.20	11.25	11.30	11.35	11.41
Maximum Power Current(I _{mp}) [A]	10.65	10.70	10.75	10.81	10.87
Module Efficiency [%]	19.0	19.3	19.5	19.8	20.1
Power Tolerance	0~+5W				
Temperature Coefficient of I _{sc} (α _{Isc})	+0.044%/°C				
Temperature Coefficient of V _{oc} (β _{Voc})	-0.272%/°C				
Temperature Coefficient of P _{max} (γ _{Pmp})	-0.350%/°C				
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G				

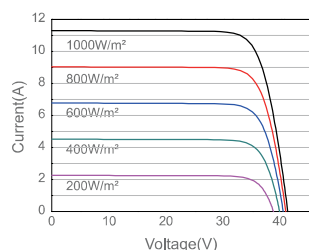
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL PARAMETERS AT NOCT

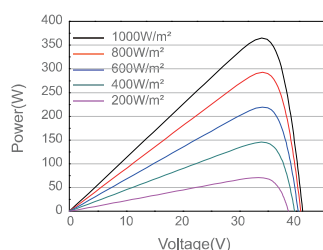
TYPE	JAM60S21 -355/MR	JAM60S21 -360/MR	JAM60S21 -365/MR	JAM60S21 -370/MR	JAM60S21 -375/MR	OPERATING CONDITIONS
Rated Max Power(P _{max}) [W]	268	272	276	280	284	Maximum System Voltage 1000V/1500V DC
Open Circuit Voltage(V _{oc}) [V]	37.95	38.18	38.41	38.65	38.89	Operating Temperature -40°C~+85°C
Max Power Voltage(V _{mp}) [V]	31.58	31.82	32.05	32.30	32.55	Maximum Series Fuse 20A
Short Circuit Current(I _{sc}) [A]	9.05	9.10	9.15	9.20	9.25	Maximum Static Load, Front 5400Pa (112 lb/ft ²)
Max Power Current(I _{mp}) [A]	8.50	8.55	8.61	8.66	8.71	Maximum Static Load, Back 2400Pa (50 lb/ft ²)
NOCT	Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G					NOCT 45±2°C
						Safety Class Class II
						Fire Performance UL Type 1

CHARACTERISTICS

Current-Voltage Curve JAM60S21-365/MR



Power-Voltage Curve JAM60S21-365/MR



Current-Voltage Curve JAM60S21-365/MR

