

605W MBB

MR
Series

Higher output power



Lower LCOE



Less shading and lower resistive loss



Better mechanical loading tolerance



12-year product warranty



25-year linear power output warranty

Half-cell Module JAM78S30 MR 580-605

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 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing

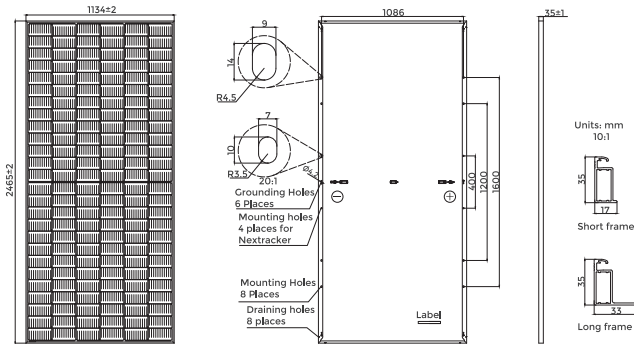




605W MBB

580-605
JAM78S30

MR
Series



Cell	Mono
Weight	30.5kg
Dimensions	2465±2mm×1134±2mm×35±1mm
Cable Cross Section Size	4mm ² (IEC) , 12 AWG(UL)
No. of cells	156(6x26)
Junction Box	IP68, 3 diodes
Connector	QC 4.10-351/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); 800mm(+)/800mm(-)(Leapfrog) Landscape: 1500mm(+)/1500mm(-)
Packaging Configuration	31pcs/Pallet, 496pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM78S30 -580/MR	JAM78S30 -585/MR	JAM78S30 -590/MR	JAM78S30 -595/MR	JAM78S30 -600/MR	JAM78S30 -605/MR
Rated Maximum Power(P _{max}) [W]	580	585	590	595	600	605
Open Circuit Voltage(V _{oc}) [V]	53.11	53.20	53.30	53.40	53.50	53.61
Maximum Power Voltage(V _{mp}) [V]	44.35	44.56	44.80	45.05	45.30	45.53
Short Circuit Current(I _{sc}) [A]	13.84	13.88	13.93	13.98	14.03	14.08
Maximum Power Current(I _{mp}) [A]	13.08	13.13	13.17	13.21	13.25	13.29
Module Efficiency [%]	20.7	20.9	21.1	21.3	21.5	21.6
Power Tolerance	0~+5W					
Temperature Coefficient of I _{sc} (α _{Isc})	+0.045%/ °C					
Temperature Coefficient of V _{oc} (β _{Voc})	-0.275%/ °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

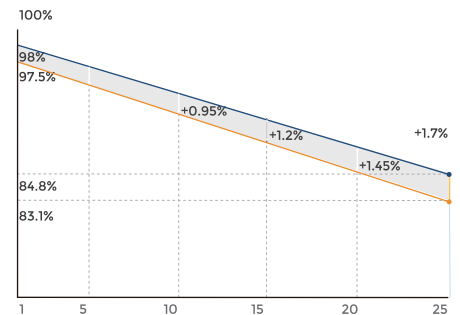
TYPE	JAM78S30 -580/MR	JAM78S30 -585/MR	JAM78S30 -590/MR	JAM78S30 -595/MR	JAM78S30 -600/MR	JAM78S30 -605/MR
Rated Max Power(P _{max}) [W]	438	442	446	450	454	458
Open Circuit Voltage(V _{oc}) [V]	50.45	50.59	50.72	50.86	51.01	51.17
Max Power Voltage(V _{mp}) [V]	42.55	42.69	42.82	42.94	43.07	43.21
Short Circuit Current(I _{sc}) [A]	11.02	11.07	11.13	11.19	11.25	11.30
Max Power Current(I _{mp}) [A]	10.30	10.36	10.42	10.48	10.54	10.60
NOCT	Irradiance 800W/m ² , ambient temperature 20 °C, wind speed 1m/s, AM1.5G					

*For NexTracker installations, maximum static load please take compatibility approve letter between JA Solar and NexTracker for reference.

CHARACTERISTICS

SUPERIOR WARRANTY

0.55% Annual Degradation Over 25 years

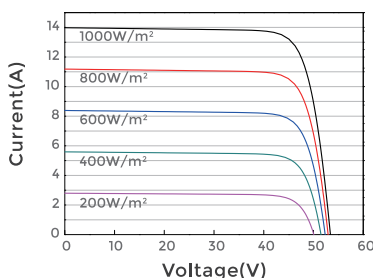


- New linear power warranty
- Standard module linear power warranty

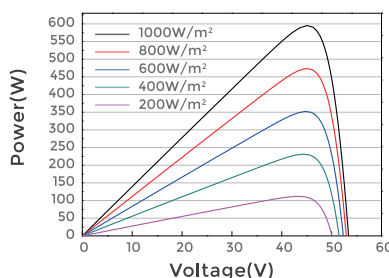
OPERATING CONDITIONS

Maximum System Voltage	1000V/1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25A
Maximum Static Load,Front*	5400Pa(112lb/ft ²)
Maximum Static Load,Back*	2400Pa(50lb/ft ²)
NOCT	45±2°C
Safety Class	Class II
Fire Performance	UL Type 1

Current-Voltage Curve JAM78S30-595/MR



Power-Voltage Curve JAM78S30-595/MR



Current-Voltage Curve JAM78S30-595/MR

