

JS-PERC SERIES

Superior
performance

440-455W M6

● QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

● PRODUCT CERTIFICATION



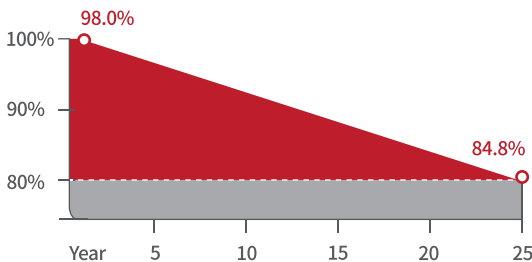
CE

MCS

CGC

● WARRANTY

JS Solar's performance Warranty



● PERC MODULE ADVANTAGE



Less mismatch to get more power



Less power loss by minimizing the shading impact



Competitive low light performance



3 times EL test to ensure best quality



Ideal choice for utility and commercial scale projects by reduced BoS and improved ROI



Sand, acid, salt and hail stones test
2400 Pa wind load and 5400 Pa snow load
Anti-PID

Electrical Characteristics

Module Type	JS440M144		JS445M144		JS450M144		JS455M144	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power at STC (Pmp)	440	330	445	334	450	338	455	342
Open Circuit Voltage (Voc)	48.7	46.5	48.9	46.7	49.1	46.9	49.3	47.1
Short Circuit Current (Isc)	11.48	9.19	11.54	9.25	11.60	9.31	11.66	9.37
Maximum Power Voltage (Vmp)	40.7	38.1	40.9	38.2	41.1	38.3	41.3	38.4
Maximum Power Current (Imp)	10.82	8.66	10.89	8.75	10.96	8.84	11.02	8.90
Module Efficiency at STC(%)	19.9		20.1		20.4		20.6	
Power Tolerance	(0, +4.99W)							
Maximum System Voltage	1500V DC							
Maximum Series Fuse Rating	25 A							

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5
Power measurement tolerance: +/-3%

Temperature Characteristics

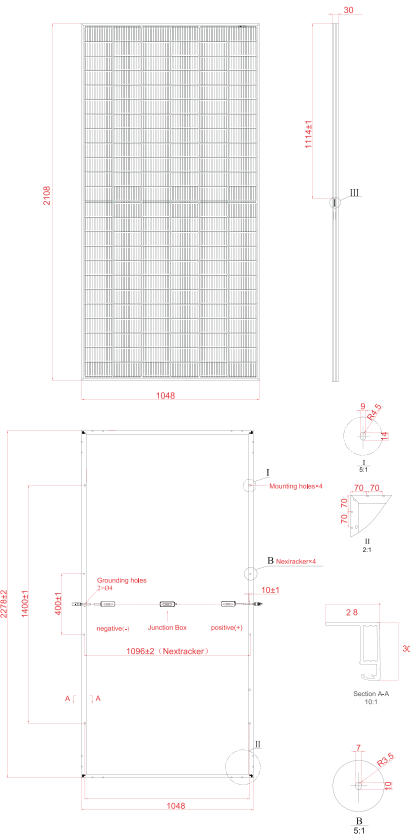
Pmax Temperature Coefficient	-0.34 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature(NOCT)	45±2 °C

Mechanical Specifications

External Dimensions	2108 x 1048 x 30mm
Weight	27.0kg
Solar Cells	Perc 166×83 (144 pcs)
Front Glass	3.2mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm ² , 250mm(+)/350mm(-) or Customized Length
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa

Packing Configuration

2108 x 1048 x 30mm		
Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	20
Pieces per Container	216	720



I-V Curve

