

JS-PERC SERIES

Superior
performance

540-555W

● QUALITY SYSTEM

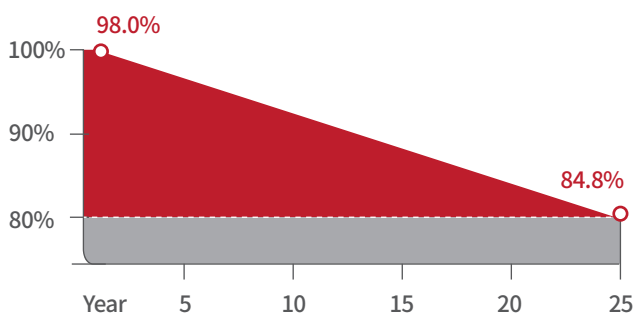
ISO9001 / ISO14001 / ISO45001

● PRODUCT CERTIFICATION



● 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 wina load and 5400 Pa snow load
Anti-PID

Electrical Characteristics

Module Type	JS540M144		JS545M144		JS550M144		JS555M144	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power at STC (Pmp)	540	406	545	409	550	414	555	418
Open Circuit Voltage (Voc)	49.50	46.18	49.60	46.32	49.70	46.40	49.80	46.50
Short Circuit Current (Isc)	13.81	11.16	13.90	11.23	14.00	11.32	14.10	11.41
Maximum Power Voltage (Vmp)	41.55	38.39	41.80	38.41	42.05	38.58	42.31	38.68
Maximum Power Current (Imp)	13.00	10.59	13.04	10.65	13.08	10.73	13.12	10.81
Module Efficiency at STC(%)	20.90		21.10		21.29		21.48	
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

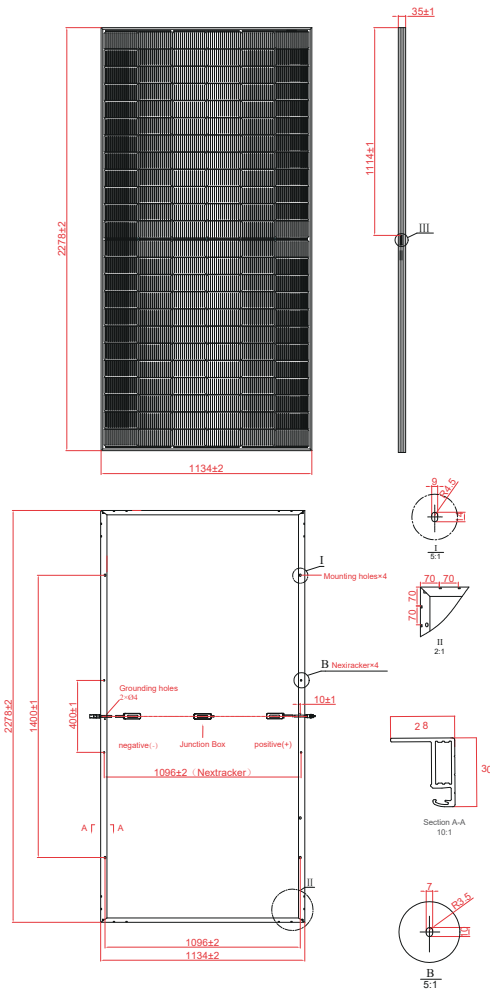
Pmax Temperature Coefficient	-0.34 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature(NOCT)	45±2 °C

Mechanical Specifications

External Dimensions	2278 x 1134 x 35mm
Weight	27.0kg
Solar Cells	Perc mono (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

2278 x 1134 x 35mm		
Container	20'GP	40'HQ
Pieces per Pallet	31	31
Pallets per Container	6	20
Pieces per Container	124	620



I-V Curve

