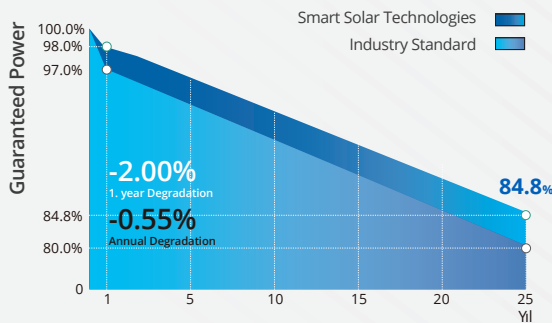


435-455W

High Efficiency Half-Cut MonoPerc M4-9BB-R

12
Year
Product
Warranty

25
Year
Linear
Performance
Warranty



Anti - PID



**Better Shading
Tolerance**



More Power

Low temperature coefficient
(Pmax): -0.35%/°C



Current Classification

Increases generation
power in PV plants



More Reliable

Low hot-spot effect



25 Year Warranty

12 year product warranty
25 year linear performance warranty

ELECTRICAL TYPICAL VALUES

Model	PS435M4-24/TH PS435M4H-24/TH		PS440M4-24/TH PS440M4H-24/TH		PS445M4-24/TH PS445M4H-24/TH		PS450M4-24/TH PS450M4H-24/TH		PS455M4-24/TH PS455M4H-24/TH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)	435	326	440	330	445	334	450	337	455	341
Rated Current (Imp)	10.66	8.60	10.73	8.66	10.80	8.72	10.87	8.77	10.94	8.83
Rated Voltage (Vmpp)	40.81	37.89	41.01	38.08	41.21	38.26	41.40	38.44	41.60	38.62
Short Circuit Current (Isc)	11.13	8.98	11.21	9.05	11.29	9.11	11.38	9.19	11.47	9.26
Open Circuit Voltage (Voc)	48.85	46.39	48.98	46.51	49.11	46.63	49.24	46.76	49.37	46.88
Module Efficiency (%)	19.89		20.12		20.35		20.58		20.80	
Cell Type	Monocrystalline 166 x 83mm									
Tolerance	0~+5w									
NOCT	45±2°C									
Voltage Temperature Coefficient	-0.28%/°C									
Current Temperature Coefficient	+0.05%/°C									
Power Temperature Coefficient	-0.35%/°C									

PACKAGING CONFIGURATION

Container	20' GP	40' HQ
Pieces/Container	255	682

Standard Test Conditions (STC): Irradiance 1000W/m², AM 1.5, Cell Temperature 25°C
 Nominal Operation Cell Temperature (NOCT): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind 1m/s

ABSOLUTE MAX RATING

Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maksimum Series Fuse Rating	25A
PV Module Classification	II
Fire Rating (IEC61730)	C
Maksimum System Voltage	DC 1000V/1500V

MECHANICAL CHARACTERISTICS

Dimension (L x W x H)	Length: 2103mm (82.80 inch) Width: 1040mm (40.94 inch) Height: 35mm (1.38 inch)
Weight	25.0kg (55.12 lbs)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC), (+): 450mm, (-): 250mm or Customized Length <small>*The requested cable length must be specified before the offer.</small>
Junction Box	IP 68 Rated

ELECTRICAL CHARACTERISTIC

