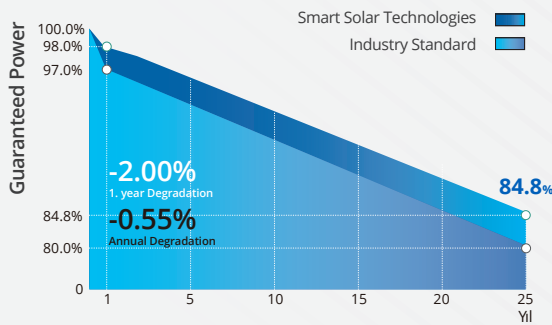


# 435-455W

## Bifacial High Efficiency Half-Cut MonoPerc M6-9BB-T

**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	PS435M5-24/TH PS435M5H-24/TH		PS440M5-24/TH PS440M5H-24/TH		PS445M5-24/TH PS445M5H-24/TH		PS450M5-24/TH PS450M5H-24/TH		PS455M5-24/TH PS455M5H-24/TH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)	435	324	440	327	445	331	450	335	455	339
Rated Current (Imp)	10.66	8.61	10.73	8.67	10.80	8.73	10.87	8.78	10.94	8.84
Rated Voltage (Vmpp)	40.81	37.57	41.01	37.76	41.21	37.94	41.40	38.12	41.60	38.60
Short Circuit Current (Isc)	11.20	9.05	11.28	9.11	11.36	9.18	11.44	9.24	11.52	9.31
Open Circuit Voltage (Voc)	49.17	46.42	49.38	46.61	49.59	46.81	49.79	47.00	50.01	47.21
Module Efficiency (%)	19.89		20.12		20.35		20.58		20.80	

**BIFACIALITY**

5%	Maximum Power (W)	450	455	461	466	471
	Module Efficiency (%)	20.58	20.80	21.08	21.31	21.54
15%	Maximum Power (W)	481	486	492	497	503
	Module Efficiency (%)	21.99	22.22	22.50	22.72	23.00
25%	Maximum Power (W)	511	517	523	529	535
	Module Efficiency (%)	23.36	23.64	23.91	24.33	24.46

**TEMPERATURE RATINGS**

Cell Type	Monocrystalline 166 x 83mm
Tolerance	0~+5w
NOCT	43±2°C
Voltage Temperature Coefficient	-0.28%/°C
Current Temperature Coefficient	+0.05%/°C
Power Temperature Coefficient	-0.35%/°C
Bifaciality	70±5%

**PACKAGING CONFIGURATION**

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

Standart Test Conditions (STC): Irradiance 1000W/m<sup>2</sup>, AM 1.5, Cell Temperatur 25°C  
 Nominal Operation Cell Temperature (NOCT): Irradiance 800W/m<sup>2</sup>, Ambient Temperatur 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 <sup>2</sup> (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**

