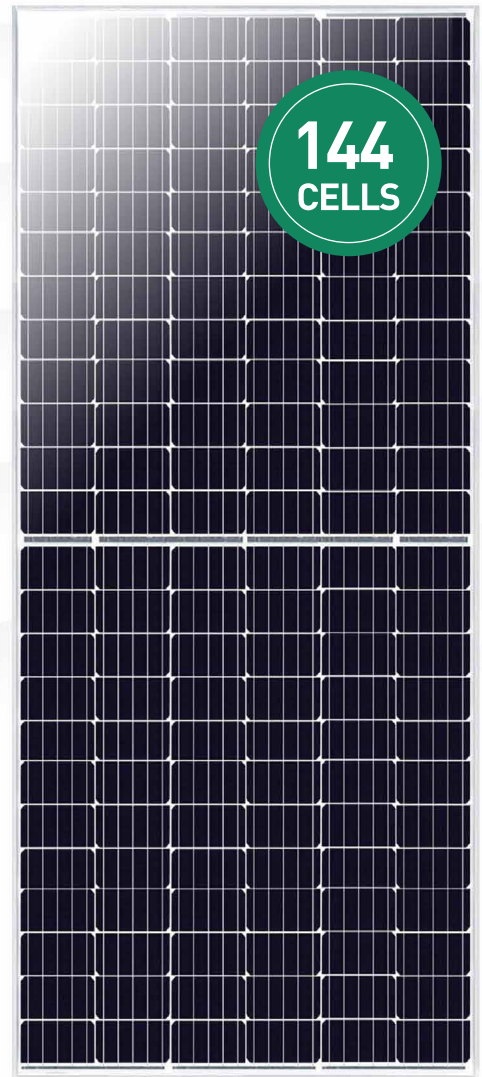


# TWINPLUS MODULE SERIES

HIGH EFFICIENCY MONO-PERC M-5B-R

# 375-395W



## OUTSTANDING PRODUCT PERFORMANCE

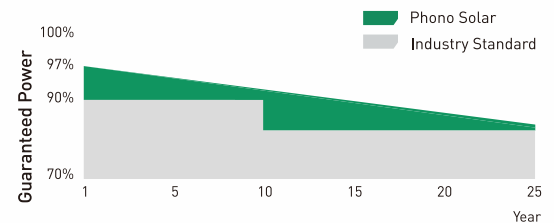
- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to  $43 \pm 2^{\circ}\text{C}$

## TRUSTWORTHY QUALITY AND RELIABILITY

- Guaranteed 0~+5W positive tolerance secures reliable power output
- 5400Pa maximum snow load, 2400Pa maximum wind load
- Optimized electrical design lowers hot spot risk and operating current

## PID RESISTANT

- Industry-leading cell processing technology and electrical design ensure solid PID resistance



12-year Product Warranty | 25-year Linear Performance Warranty

## MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730

ISO 9001:2015 / Quality management system

ISO 14001:2015 / Standards for environmental management system

OHSAS 18001:2007 / International standards for occupational health & safety

IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules-guidelines for increased confidence in PV module design qualification and type approval



Bloomberg Tier<sup>1</sup>  
NEW ENERGY FINANCE



## ELECTRICAL TYPICAL VALUES

Model	PS375M-24/TH		PS380M-24/TH		PS385M-24/TH		PS390M-24/TH		PS395M-24/TH	
	PS375MH-24/TH		PS380MH-24/TH		PS385MH-24/TH		PS390MH-24/TH		PS395MH-24/TH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (P <sub>mpp</sub> )	375	279	380	283	385	287	390	291	395	294
Rated Current (I <sub>mpp</sub> )	9.47	7.62	9.52	7.66	9.57	7.70	9.62	7.74	9.67	7.78
Rated Voltage (V <sub>mpp</sub> )	39.60	36.65	39.92	36.94	40.24	37.23	40.55	37.52	40.85	37.80
Short Circuit Current (I <sub>sc</sub> )	9.97	8.03	10.05	8.09	10.13	8.15	10.21	8.22	10.29	8.28
Open Circuit Voltage (V <sub>oc</sub> )	48.44	45.82	48.57	45.95	48.85	46.21	49.13	46.48	49.41	46.74
Module Efficiency (%)	18.90		19.15		19.41		19.66		19.91	

STC(Standard Testing Conditions):Irradiance 1000W/m<sup>2</sup>, AM 1.5, Cell Temperature 25°C

NOCT (Nominal Operation Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/S

## MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 156.75mm x 78.38mm
Dimension (L x W x H)	Length: 2000mm (78.75 inch)
	Width: 992mm (39.06 inch)
	Height: 40mm (1.57 inch)
Weight	22.6kg (49.80 lbs)
Front Glass	3.2mm Toughened Glass
Frame	Anodized Aluminium Alloy
Cable	4mm <sup>2</sup> (IEC), Length:350mm (vertical) 1250mm (horizontal) or Customized Length
Junction Box	IP 68 Rated

## TEMPERATURE RATINGS

Voltage Temperature Coefficient	-0.30%/°C
Current Temperature Coefficient	+0.05%/°C
Power Temperature Coefficient	-0.38%/°C
Tolerance	0~+5w
NOCT	43±2°C

## ABSOLUTE MAXIMUM 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
Maximum Series Fuse Rating	20A
PV Module Classification	II
Fire Rating (IEC 61730)	C
Maximum System Voltage	DC 1000V/1500V

## PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces/Container	230	616

## ELECTRICAL CHARACTERISTICS

