

# PREMIUM PLUS MODULE SERIES

HIGH EFFICIENCY MONO-PERC M1-5B-R

# 390-410W



## HIGHER POWER OUTPUT

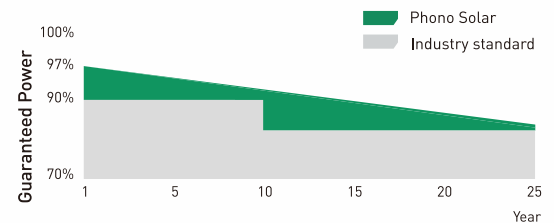
- ◆ Outstanding performance under weak-light conditions
- ◆ Superior temperature coefficient guarantees power generation efficiency

## HIGHER QUALITY RELIABILITY AND DURABILITY

- ◆ 5400Pa maximum snow load, 2400Pa maximum wind load
- ◆ Guaranteed 0~+5W positive tolerance secures reliable power output
- ◆ Strict internal quality assurance plan and extended testing standards ensures enhanced durability

## PID RESISTANT

- ◆ Improved cell processing technology and IEC-certified electrical design guarantees 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 Tier1  
NEW ENERGY FINANCE



## ELECTRICAL TYPICAL VALUES

Model	PS390M1-24/T		PS395M1-24/T		PS400M1-24/T		PS405M1-24/T		PS410M1-24/T	
	PS390M1H-24/T		PS395M1H-24/T		PS400M1H-24/T		PS405M1H-24/T		PS410M1H-24/T	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (P <sub>mpp</sub> )	390	288	395	292	400	295	405	299	410	302
Rated Current (I <sub>mpp</sub> )	9.62	7.77	9.67	7.81	9.72	7.85	9.77	7.89	9.82	7.93
Rated Voltage (V <sub>mpp</sub> )	40.55	37.03	40.85	37.31	41.16	37.59	41.46	37.86	41.76	38.13
Short Circuit Current (I <sub>sc</sub> )	10.21	8.25	10.29	8.31	10.37	8.38	10.45	8.44	10.53	8.51
Open Circuit Voltage (V <sub>oc</sub> )	49.13	45.30	49.41	45.56	49.69	45.81	49.97	46.07	50.25	46.33
Module Efficiency (%)	19.70		19.95		20.20		20.45		20.71	

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 158.75mm x 158.75mm
Dimension (L× W × H)	Length: 1980mm (77.95 inch)
	Width: 1000mm (39.37 inch)
	Height: 40mm (1.57 inch)
Weight	23.0kg (50.70 lbs)
Front Glass	3.2mm Toughened Glass
Frame	Anodized Aluminium Alloy
Cable	4mm <sup>2</sup> (IEC) , Length:1160mm or Customized Length
Junction Box	IP 68 Rated

## TEMPERATURE RATINGS

Voltage Temperature Coefficient	-0.31%/°C
Current Temperature Coefficient	+0.05%/°C
Power Temperature Coefficient	-0.39%/°C
Tolerance	0~+5w
NOCT	45±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
Application Class and Safety Class	II
Fire Rating (IEC 61730)	C
Module Fire Performance (UL 1703)	Type 1
Maximum System Voltage	DC 1000V/1500V

## PACKING CONFIGURATION

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

## ELECTRICAL CHARACTERISTICS

