

PREMIUM PLUS MODULE SERIES

HIGH EFFICIENCY MONO-PERC M-5B-R

370-390W



HIGHER POWER OUTPUT

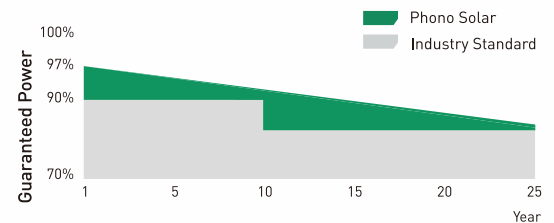
- ◆ Outstanding performance under weak-light conditions
- ◆ Superior temperature coefficient guarantees power generation efficiency

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 guarantee 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	PS370M-24/T		PS375M-24/T		PS380M-24/T		PS385M-24/T		PS390M-24/T	
	PS370MH-24/T		PS375MH-24/T		PS380MH-24/T		PS385MH-24/T		PS390MH-24/T	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (P _{mpp})	370	273	375	277	380	281	385	284	390	288
Rated Current (I _{mpp})	9.42	7.61	9.47	7.65	9.52	7.69	9.57	7.73	9.62	7.77
Rated Voltage (V _{mpp})	39.28	35.88	39.60	36.17	39.92	36.46	40.24	36.74	40.55	37.03
Short Circuit Current (I _{sc})	9.89	7.99	9.97	8.06	10.05	8.12	10.13	8.19	10.21	8.25
Open Circuit Voltage (V _{oc})	48.30	44.53	48.44	44.66	48.57	44.78	48.85	45.04	49.13	45.30
Module Efficiency (%)	19.07		19.33		19.58		19.84		20.10	

STC(Standard Testing Conditions):Irradiance 1000W/m², AM 1.5, Cell Temperature 25°C

NOCT (Nominal Operation Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/S

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 156.75mm x 156.75mm
	Length: 1956mm (77.01 inch)
Dimension (L x W x H)	Width: 992mm (39.06 inch) Height: 40mm (1.57 inch)
Weight	22.5kg (49.6 lbs)
Front Glass	3.2mm Toughened Glass
Frame	Anodized Aluminium Alloy
Cable	4mm ² (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
PV Module Classification	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	672

ELECTRICAL CHARACTERISTICS

