

# TWINPLUS MODULE SERIES

HIGH EFFICIENCY MONO-PERC M1-5B-R

# 325-345W



## OUTSTANDING PRODUCT PERFORMANCE

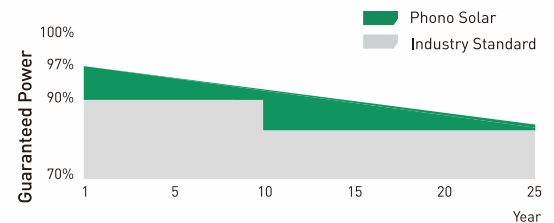
- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to  $43 \pm 2^{\circ}\text{C}$

## 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 Tier1  
NEW ENERGY FINANCE



## ELECTRICAL TYPICAL VALUES

Model	PS325M1-20/UH		PS330M1-20/UH		PS335M1-20/UH		PS340M1-20/UH		PS345M1-20/UH	
	PS325M1H-20/UH		PS330M1H-20/UH		PS335M1H-20/UH		PS340M1H-20/UH		PS345M1H-20/UH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (P <sub>mpp</sub> )	325	242	330	246	335	250	340	253	345	257
Rated Current (I <sub>mpp</sub> )	9.56	7.70	9.61	7.74	9.66	7.78	9.71	7.82	9.76	7.86
Rated Voltage (V <sub>mpp</sub> )	34.00	31.46	34.34	31.78	34.68	32.09	35.02	32.41	35.35	32.71
Short Circuit Current (I <sub>sc</sub> )	10.15	8.17	10.23	8.24	10.31	8.30	10.39	8.36	10.47	8.43
Open Circuit Voltage (V <sub>oc</sub> )	41.36	39.13	41.70	39.45	42.04	39.77	42.38	40.09	42.71	40.40
Module Efficiency (%)	19.28		19.57		19.87		20.17		20.46	

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 79.38mm
Dimension (L× W × H)	Length: 1686mm (66.38 inch)
	Width: 1000mm (39.37 inch)
	Height: 35mm (1.38 inch)
Weight	19.0kg (41.89 lbs)
Front Glass	3.2mm Toughened Glass
Frame	Anodized Aluminium Alloy
Cable	4mm <sup>2</sup> (IEC), Length:350mm (vertical) 1150mm (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
Module Fire Performance (UL 1703)	Type 1
Maximum System Voltage	DC 1000V/1500V

## PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces/Container	318	858

## ELECTRICAL CHARACTERISTICS

