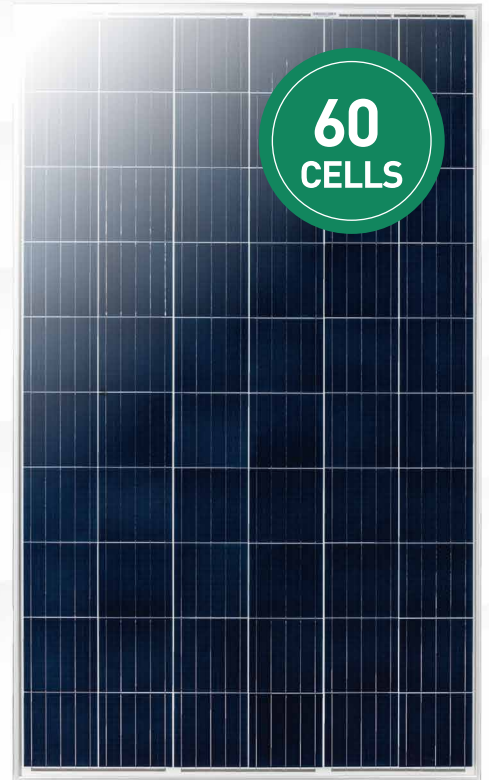


# PREMIUM MODULE SERIES

HIGH EFFICIENCY POLY P-5B-R

# 265-280W



## HIGHER POWER OUTPUT

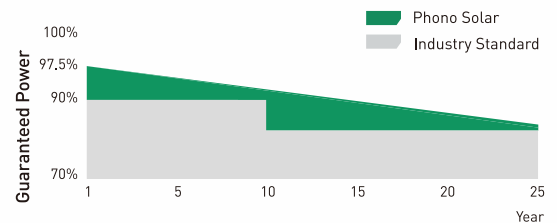
- ◆ Outstanding performance under weak-light conditions
- ◆ Superior temperature coefficient guarantees power generation efficiency

## 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	PS265P-20/U		PS270P-20/U		PS275P-20/U		PS280P-20/U	
	PS265PH-20/U		PS270PH-20/U		PS275PH-20/U		PS280PH-20/U	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (P <sub>mpp</sub> )	265	194	270	198	275	202	280	205
Rated Current (I <sub>mpp</sub> )	8.50	6.87	8.59	6.94	8.66	7.00	8.73	7.05
Rated Voltage (V <sub>mpp</sub> )	31.18	28.28	31.44	28.51	31.76	28.81	32.08	29.10
Short Circuit Current (I <sub>sc</sub> )	9.04	7.30	9.09	7.34	9.17	7.41	9.25	7.47
Open Circuit Voltage (V <sub>oc</sub> )	38.03	35.44	38.39	35.78	38.73	36.10	39.09	36.43
Module Efficiency (%)	16.29		16.60		16.90		17.21	

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	Polycrystalline 156.75mm x 156.75mm
Dimension (L x W x H)	Length: 1640mm (64.57 inch)
	Width: 992mm (39.06 inch)
	Height: 35mm (1.38 inch)
Weight	18.0kg (39.68 lbs)
Front Glass	3.2mm Toughened Glass
Frame	Anodized Aluminium Alloy
Cable	4mm <sup>2</sup> (IEC), Length:900mm or Customized Length
Junction Box	IP 68 Rated

## TEMPERATURE RATINGS

Voltage Temperature Coefficient	-0.33%/°C
Current Temperature Coefficient	+0.05%/°C
Power Temperature Coefficient	-0.41%/°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	312	896

## ELECTRICAL CHARACTERISTICS

