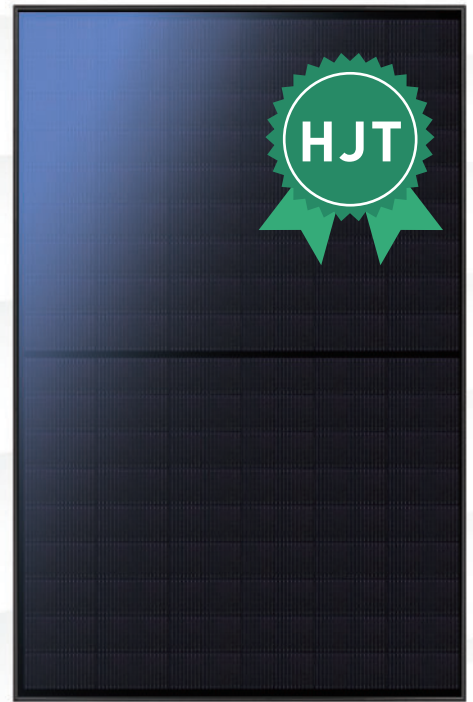


HELIOS MODULE SERIES

N-HJT HIGH EFFICIENCY MONO M6-18B-G

420-440W



EXCELLENT POWER GENERATION PERFORMANCE

- ◆ Up to 85% bifaciality and up to 30% additional power generation
- ◆ Competitive high-temperature performance with ameliorated temperature coefficient (-0.26%/°C)
- ◆ Better weak illumination response of HJT technology leads higher power generation

MORE ENVIRONMENTALLY FRIENDLY

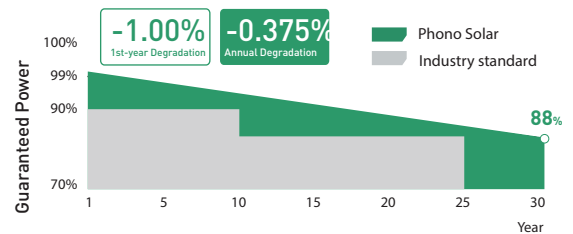
- ◆ Lower carbon emissions

CONSISTENT RELIABILITY

- ◆ Zero Light Induced Degradation
- ◆ Industry-leading cell technology of TCO thin film contributes to excellent anti-PID characteristic

SHORTER PAYBACK TIME

- ◆ Lower BoS cost ensure a better LCOE



30-year Product Warranty | **30-year** Linear Performance Warranty

* This product warranty applies only to specific regions.

MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730

ISO 9001:2015 / Quality management system

ISO 14001:2015 / Standards for environmental management system

ISO 45001:2018 / International standards for occupational health & safety



Bloomberg Tier1
NEW ENERGY FINANCE



ELECTRICAL TYPICAL VALUES

Model	PS420M8GFH-18/VSH		PS425M8GFH-18/VSH		PS430M8GFH-18/VSH		PS435M8GFH-18/VSH		PS440M8GFH-18/VSH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)	420	319	425	323	430	327	435	331	440	335
Rated Current (Impp)	12.73	10.26	12.79	10.31	12.84	10.35	12.89	10.39	12.94	10.43
Rated Voltage (Vmpp)	33.00	31.13	33.23	31.35	33.49	31.59	33.75	31.84	34.01	32.08
Short Circuit Current (Isc)	13.19	10.63	13.24	10.67	13.30	10.72	13.35	10.76	13.40	10.80
Open Circuit Voltage (Voc)	39.29	37.50	39.56	37.76	39.80	37.99	40.06	38.23	40.33	38.49
Module Efficiency [%]	21.51		21.76		22.02		22.28		22.53	

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

BSTC**

Maximum Power (Pmax)	465	470	475	480	485
Optimum Operating Current (Impp)	14.08	14.14	14.18	14.23	14.27
Optimum Operating Voltage (Vmpp)	33.00	33.23	33.49	33.75	34.01
Short Circuit Current (Isc)	14.60	14.64	14.69	14.73	14.77
Open Circuit Voltage (Voc)	39.29	39.56	39.80	40.06	40.33

**BSTC:Front side irradiation 1000W/m², back side reflection irradiation 135W/m² , AM 1.5, ambient temperature 25°C

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 182mm x 91mm
Dimension (L x W x H)	Length:1722mm (67.80 inch) Width: 1134mm (44.65 inch) Height: 30mm (1.18 inch)
Weight	22.0kg (48.50 lbs)
Glass	1.6mm/1.6mm toughened glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	4mm ² (IEC), (+):450mm,(-):250mm or Customized Length
Junction Box	IP 68 Rated

TEMPERATURE RATINGS

Voltage Temperature Coefficient	-0.24%/°C
Current Temperature Coefficient	+0.04%/°C
Power Temperature Coefficient	-0.26%/°C
Tolerance	0~+5w
NOCT	44±2°C
Bifaciality	80±5%

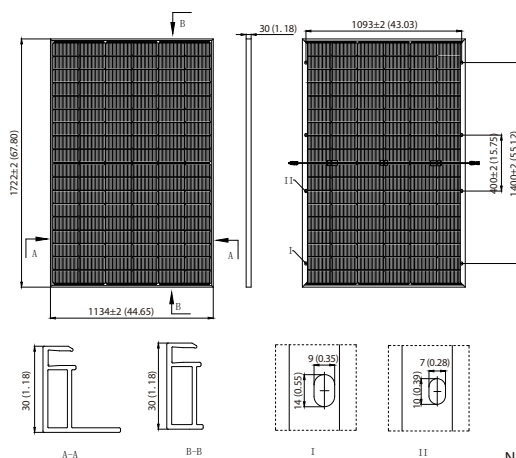
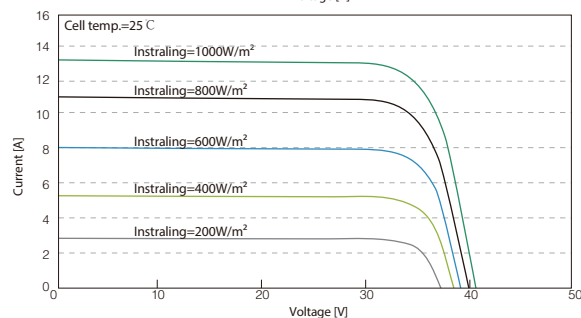
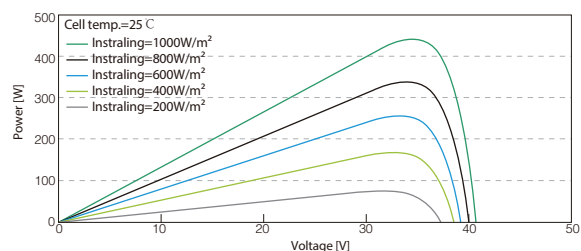
ABSOLUTE MAXIMUM RATING

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	25A
PV Module Classification	Class II
Maximum System Voltage	DC 1500V

PACKING CONFIGURATION

Container	40' HQ
Pieces/Container	936

ELECTRICAL CHARACTERISTICS



Note:mm (inch)