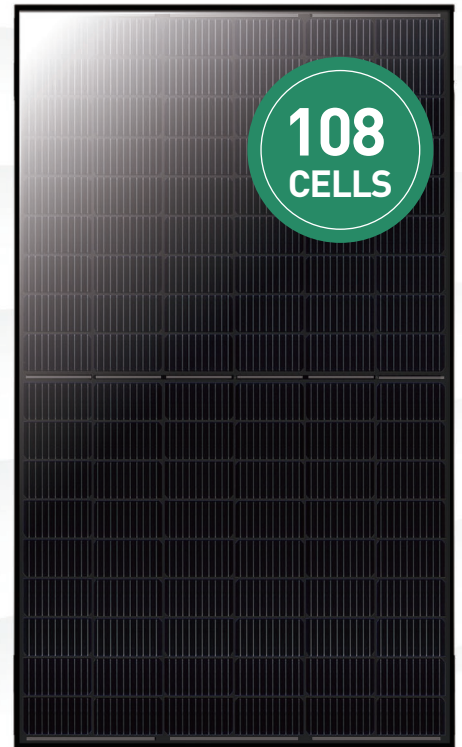


TWINPLUS MODULE SERIES

HIGH EFFICIENCY MONO-PERC M6-10B-B

390-410W



OUTSTANDING PRODUCT PERFORMANCE

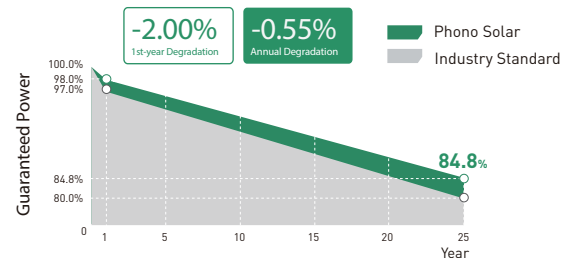
- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to $45 \pm 2^{\circ}\text{C}$
- Higher power generation with multi-busbar and half-cut technology

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



25-year^{*} Product Warranty | 25-year^{*} Linear Performance Warranty

*25-year product warranty only applies to distributed residential rooftop installations in the USA.

MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730, UL 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	1000V	PS390M6-18/VHB		PS395M6-18/VHB		PS400M6-18/VHB		PS405M6-18/VHB		PS410M6-18/VHB	
	1500V	PS390M6H-18/VHB		PS395M6H-18/VHB		PS400M6H-18/VHB		PS405M6H-18/VHB		PS410M6H-18/VHB	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (P _{mp})		390	290	395	294	400	298	405	301	410	305
Rated Current (I _{mp})		12.79	10.33	12.88	10.41	12.97	10.48	13.06	10.55	13.15	10.63
Rated Voltage (V _{mp})		30.50	28.08	30.67	28.24	30.85	28.40	31.02	28.55	31.18	28.71
Short Circuit Current (I _{sc})		13.32	10.76	13.42	10.84	13.52	10.92	13.62	11.00	13.72	11.09
Open Circuit Voltage (V _{oc})		36.48	34.44	36.67	34.62	36.87	34.81	37.05	34.98	37.23	35.15
Module Efficiency (%)		19.97		20.23		20.48		20.74		21.00	

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 182mm x 91mm
Dimension (L×W×H)	Length: 1722mm (67.80 inch)
	Width: 1134mm (44.65 inch)
	Height: 30mm (1.18 inch)
Weight	22.0kg (45.80 lbs)
Front Glass	3.2mm Toughened Glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	4mm ² (IEC), 1100mm (43.31inch) Original Stäubli MC4 connector
Junction Box	IP 68 Rated

TEMPERATURE RATINGS

Voltage Temperature Coefficient	-0.28%/°C
Current Temperature Coefficient	+0.05%/°C
Power Temperature Coefficient	-0.35%/°C
Tolerance	0~+5w
NOCT	45±2°C

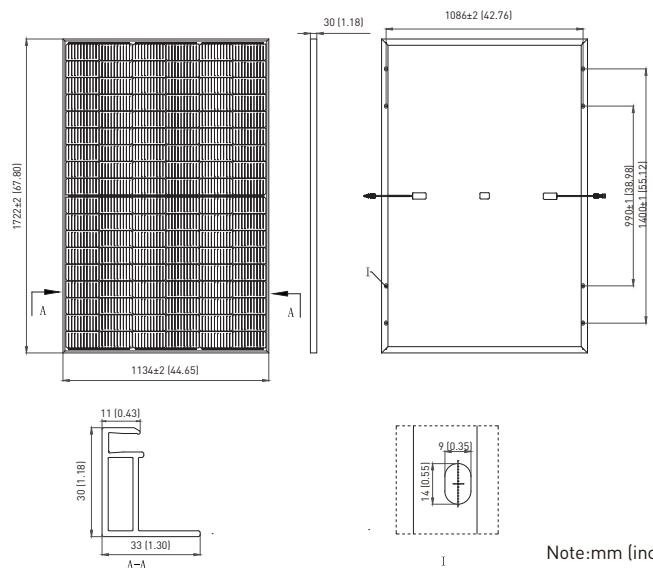
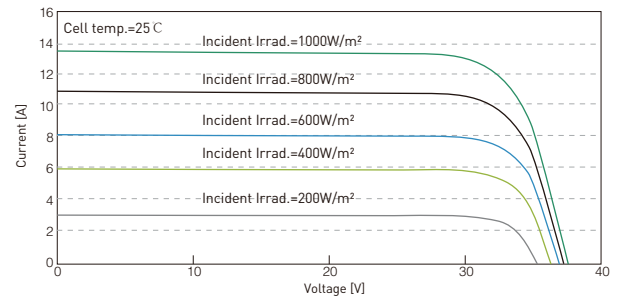
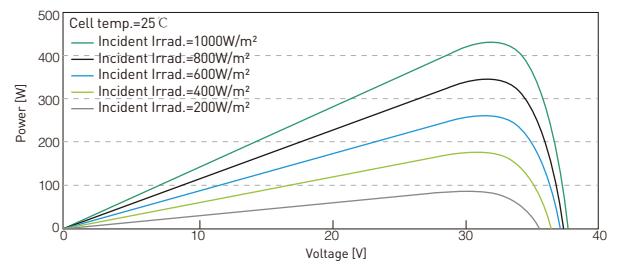
ABSOLUTE MAXIMUM RATING

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	25A
PV Module Classification	II
Module Fire Performance (UL 61730)	Type 1
Maximum System Voltage	DC 1000V/1500V

PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces/Container	216	936

ELECTRICAL CHARACTERISTICS



Note:mm (inch)