

395-415w

Twinplus X Module Series

HIGH EFFICIENCY MONO-PERC M6-10B-B

Bloomberg
NEW ENERGY FINANCE

Tier1



Original Cutless Half-cell Technology In PV Module Industry

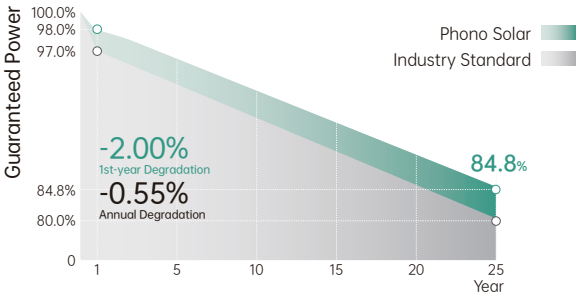
Optimized Module Appearance With Square Mono Wafer

Outstanding Product Performance

- 0.32% additional power yield benefited from square mono wafer
- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Higher power generation and better performance under shading effect with multi-busbar and half-cell technology

Trustworthy Quality And Reliability

- Optimized electrical design lowers hot spot risk and operating current
- Minimized risk of microcrack by using industry-leading cutless cell processing technology
- Excellent anti-PID resistance by Nitrous Oxide passivation processing technology



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



Electrical Typical Values

Model	1000V		PS395M6-18/VH		PS400M6-18/VH		PS405M6-18/VH		PS410M6-18/VH		PS415M6-18/VH	
	1500V		PS395M6H-18/VH		PS400M6H-18/VH		PS405M6H-18/VH		PS410M6H-18/VH		PS415M6H-18/VH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)	395	294	400	298	405	301	410	305	415	309		
Rated Current (Impp)	12.88	10.41	12.97	10.48	13.06	10.55	13.15	10.63	13.24	10.70		
Rated Voltage (Vmpp)	30.67	28.24	30.85	28.40	31.02	28.55	31.18	28.71	31.35	28.86		
Short Circuit Current (Isc)	13.42	10.84	13.52	10.92	13.62	11.00	13.72	11.09	13.82	11.17		
Open Circuit Voltage (Voc)	36.67	34.62	36.87	34.81	37.05	34.98	37.23	35.15	37.42	35.32		
Module Efficiency (%)	20.23		20.48		20.74		21.00		21.25			

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)
Glass	3.2mm 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	-0.28%/°C
Current Temperature Coefficient	+0.05%/°C
Power Temperature Coefficient	-0.35%/°C
Tolerance	0~+5w
NOCT	45±2°C

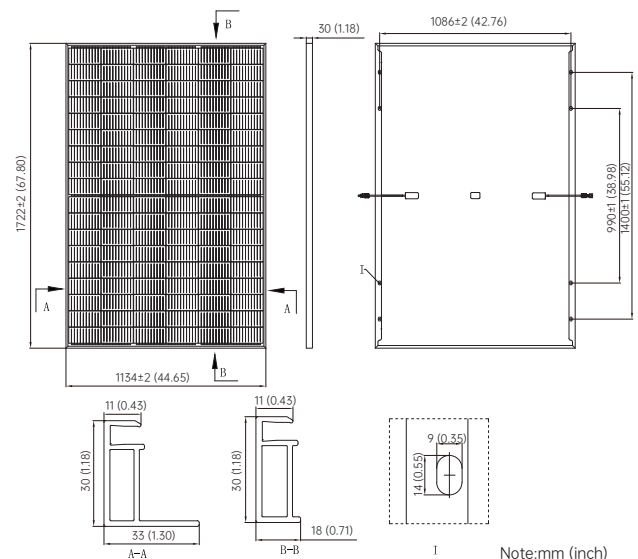
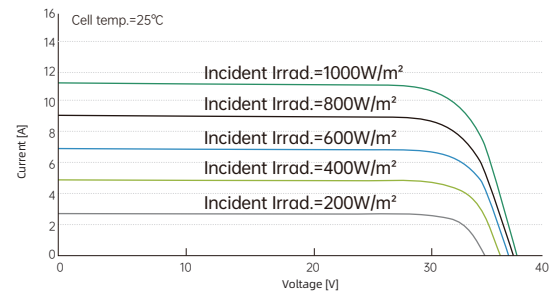
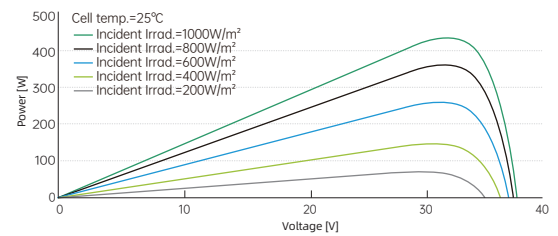
Absolute Maximum Rating

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	
Fire Rating (IEC61730)	C	
Maximum System Voltage	DC 1000V/1500V	

Packing Configuration

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

Electrical Characteristics



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