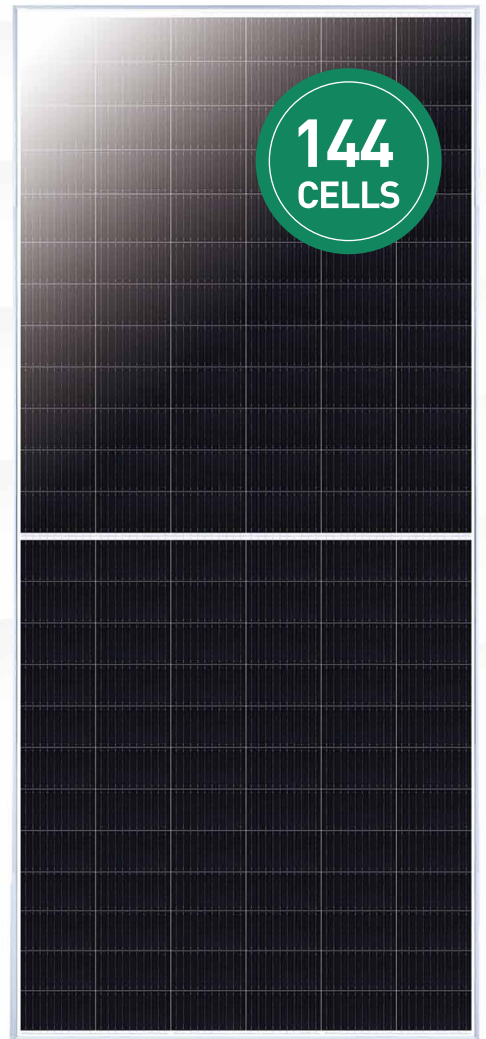


TWINPLUS X MODULE SERIES

HIGH EFFICIENCY MONO-PERC M6(R)-10B-R

535-555W



ORIGINAL CUTLESS HALF-CELL TECHNOLOGY IN PV MODULE INDUSTRY

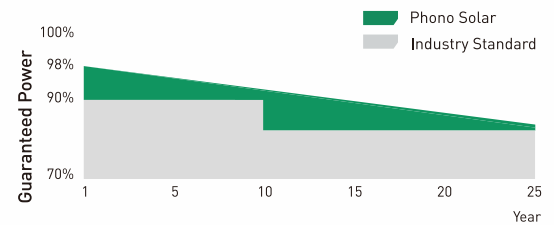
OPTIMIZED MODULE APPEARANCE WITH SQUARE MONO WAFER

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



Bloomberg Tier¹
NEW ENERGY FINANCE



ELECTRICAL TYPICAL VALUES

Model	1000V	PS535M6-24/TH		PS540M6-24/TH		PS545M6-24/TH		PS550M6-24/TH		PS555M6-24/TH	
	1500V	PS535M6H-24/TH		PS540M6H-24/TH		PS545M6H-24/TH		PS550M6H-24/TH		PS555M6H-24/TH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
Rated Power (P _{mpp})	535	398	540	402	545	405	550	409	555	413	
Rated Current (I _{mpp})	12.97	10.48	13.06	10.55	13.15	10.63	13.24	10.70	13.33	10.77	
Rated Voltage (V _{mpp})	41.25	37.98	41.35	38.07	41.45	38.16	41.55	38.25	41.64	38.34	
Short Circuit Current (I _{sc})	13.52	10.92	13.62	11.00	13.72	11.09	13.82	11.17	13.92	11.25	
Open Circuit Voltage (V _{oc})	49.29	46.53	49.39	46.62	49.49	46.72	49.59	46.81	49.69	46.91	
Module Efficiency (%)	20.71		20.90		21.10		21.29		21.48		

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: 2278mm (89.69 inch)
	Width: 1134mm (44.65 inch)
	Height: 35mm (1.38 inch)
Weight	29.0kg (63.93 lbs)
Front 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 (IEC 61730)	C
Maximum System Voltage	DC 1000V/1500V

PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces/Container	155	620

ELECTRICAL CHARACTERISTICS

