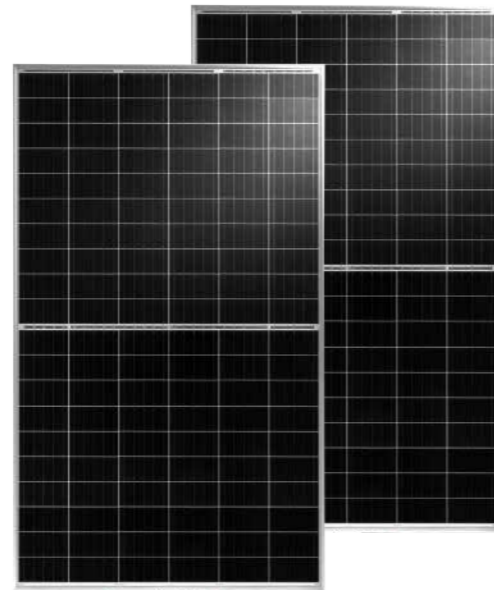




Half-cut Mono Module Series

Introduction

Powered by high-efficiency PERCIUM cells, this series of high-performance modules provides the most cost-effective solution for lowering the LCOE of any PV systems large or small.



KEY FEATURES



5BB half-cut cell technology

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production.



Higher Lifetime Power Yield:

0.55% annual power degradation
25 year linear power warranty



Light-weight design:

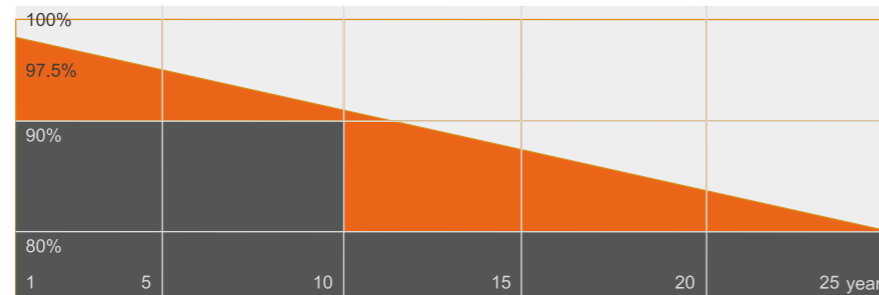
Light-weight design using transparent backsheet for easy installation and low BOS cost.



Better low-light performance:

Excellent performance in low-light environments (e.g. early morning, dusk, and cloud, etc.)

Superior Warranty



■ FutureSolar Linear Power Warranty ■ Industry Warranty

MECHANICAL SPECIFICATION

Cell Type	Mono-Crystalline Silicon (5Busbar)
Cell Dimensions	158.75*158.75mm (6inches)
Cell Arrangement	120 (6*20)
Weight	20.7kg (45.64lbs)
Module Dimensions	1684*1002*35mm (66.30*39.45*1.38inches)
Cable Length (Portrait)	(+)-300mm (11.81inches) / (-)-300mm (11.81inches)
Cable Length (Landscape)	(+)-1200mm (47.24inches) / (-)-1200mm (47.24inches)
Cable Cross Section Size	4mm ² (0.006inches ²)
Front Glass	3.2mm High Transmission, Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration (1)	31pcs/carton, 806pcs/40hq
Packing Configuration (2)	31+4pcs/carton, 858pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP67

OPERATING CONDITIONS

Maximum System Voltage	1000V/1500V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Static Loading	5400pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	MC4 Compatible

TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.36%/°C
Temperature Coefficient Voc	-0.26%/°C
Temperature Coefficient Isc	+0.043%/°C
NMOT	43±2°C

ELECTRICAL PARAMETERS

Performance at STC (Power Tolerance 0 ~ +3%)

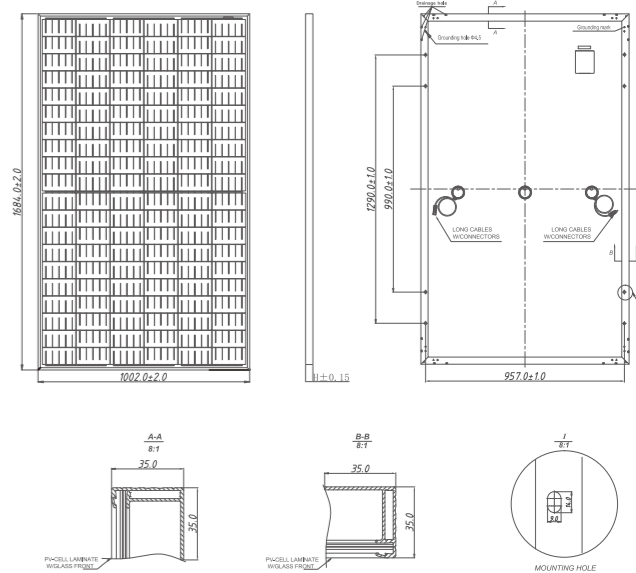
	330	335	340	345	350
Maximum Power (Pmax/W)	330	335	340	345	350
Operating Voltage (Vmpp/V)	33.3	33.5	33.7	33.9	34.1
Operating Current (Impp/A)	9.74	9.84	9.93	10.0	10.1
Open-Circuit Voltage (Voc/V)	40.4	40.6	40.8	41.0	41.2
Short-Circuit Current (Isc/A)	10.50	10.61	10.73	10.82	10.91
Module Efficiency ηm(%)	19.2	19.5	19.8	20.1	20.4

Performance at NMOT

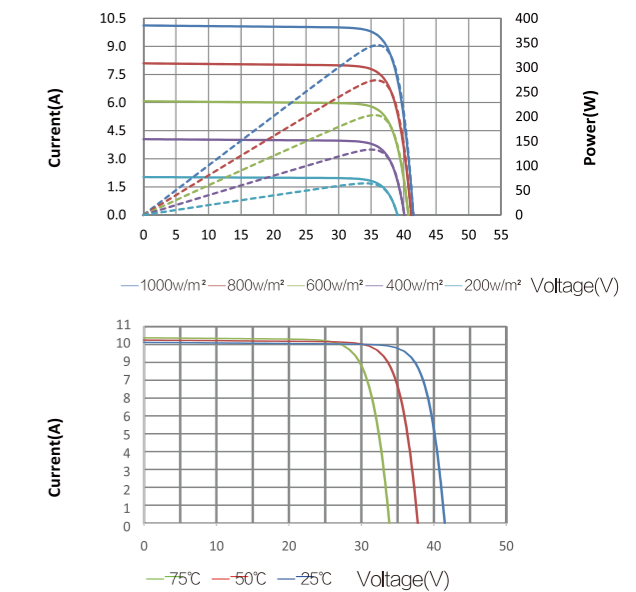
Maximum Power (Pmax/W)	239.7	243.3	247.8	250.6	254.8
Operating Voltage (Vmpp/V)	30.6	30.7	30.9	31.5	31.5
Operating Current (Impp/A)	7.82	7.90	7.98	8.06	8.13
Open-Circuit Voltage (Voc/V)	38.2	38.2	38.4	38.6	38.8
Short-Circuit Current (Isc/A)	8.48	8.57	8.67	8.74	8.81

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

TECHNICAL DRAWINGS



I-V CURVE



120 LAYOUT

MONOCRYSTALLINE MODULE

330-350W

POWER OUTPUT RANGE

20.4%

MAXIMUM EFFICIENCY

0~+5W

POSITIVE POWER TOLERANCE

Note: Due to continuous technical innovation, R&D improvement, technical data mentioned maybe of modification accordingly. Futuresolar has the sole right to make such modification at anytime without further notification.