MANYU SOLAR®

MY-S120/FNH

345-325W

120-CELL HALF CUT MONOCRYSTALLINE SOLAR MOUDLE

20.4% Module efficiency

345W Highest power output

12 Years Material & Workmanship warranty

25 Years Linear power output warranty

Product Advantages

High Efficiency
Module efficiency leading in industry, up to 20.4%

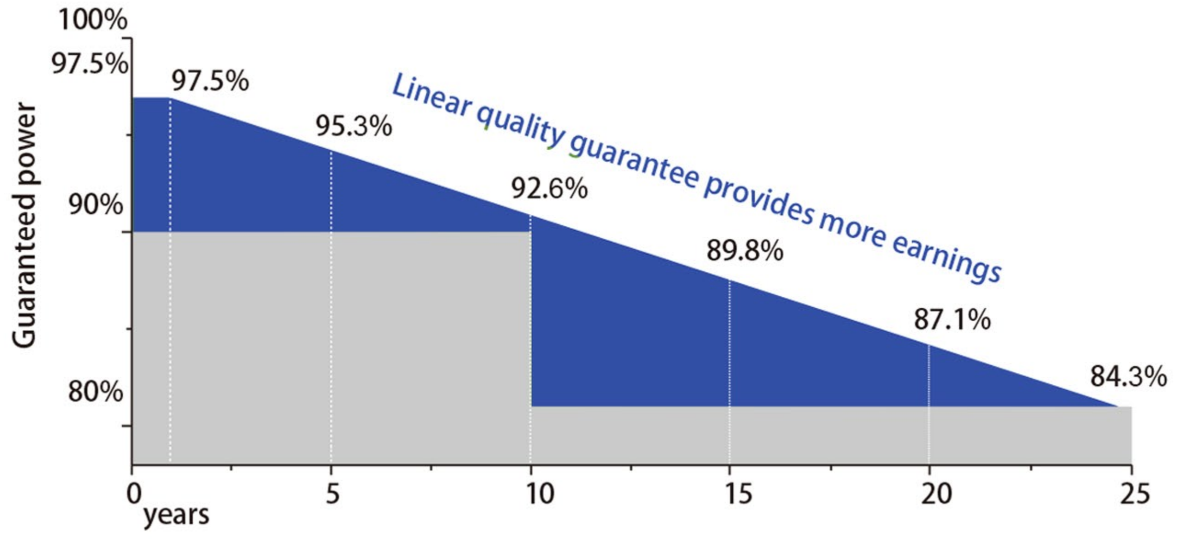
High Reliability
Passed 3*IECstandard test

Low Hot-spot Risk
1/2 current, reducing the hot spot temperature

Low NMOT
As low as 43℃，improving the power generation efficiency

Half Cell, MBB Technology
Series-then-parallel cell connection design,more reliable soldering technology

Product Guarantee



Product Certification

MY-S120/FNH

Electrical Characteristics

STC	345	340	335	330	325
Maximum Power at STC (Pmax)	345 W	340 W	335 W	330 W	325 W
Optimum Operating Voltage (Vmp)	35.3 V	35.1 V	34.9 V	34.7 V	34.5 V
Optimum Operating Current (Imp)	9.78 A	9.68 A	9.60 A	9.52 A	9.43 A
Open Circuit Voltage (Voc)	41.3 V	41.1 V	40.9 V	40.7 V	40.5 V
Short Circuit Current (Isc)	10.37 A	10.29 A	10.21 A	10.13 A	10.04 A
Module Efficiency	20.4%	20.1%	19.8%	19.5%	19.2%
Operating Module Temperature	-40 °C to +85 °C				
Maximum System Voltage	1000/1500 V DC (IEC)				
Maximum Series Fuse Rating	20 A				
Power Tolerance	0/+5W				

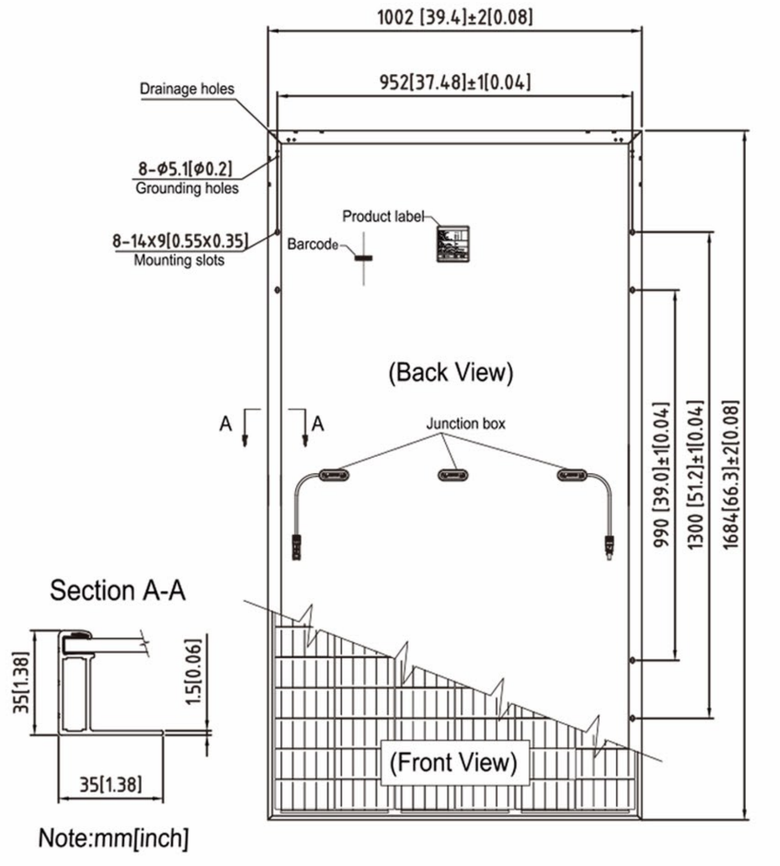
STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; Tolerances of Pmax, Voc and Isc are all within +/- 5%.

NMOT	345	340	335	330	325
Maximum Power at NMOT (Pmax)	259.3 W	255.5 W	252.1 W	248.6 W	244.9 W
Optimum Operating Voltage (Vmp)	32.5 V	32.3 V	32.1 V	31.9 V	31.7 V
Optimum Operating Current (Imp)	7.98 A	7.92 A	7.85 A	7.79 A	7.72 A
Open Circuit Voltage (Voc)	38.7 V	38.5 V	38.3 V	38.1 V	37.9 V
Short Circuit Current (Isc)	8.37 A	8.31 A	8.24 A	8.18 A	8.11 A

NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;

Temperature Characteristics

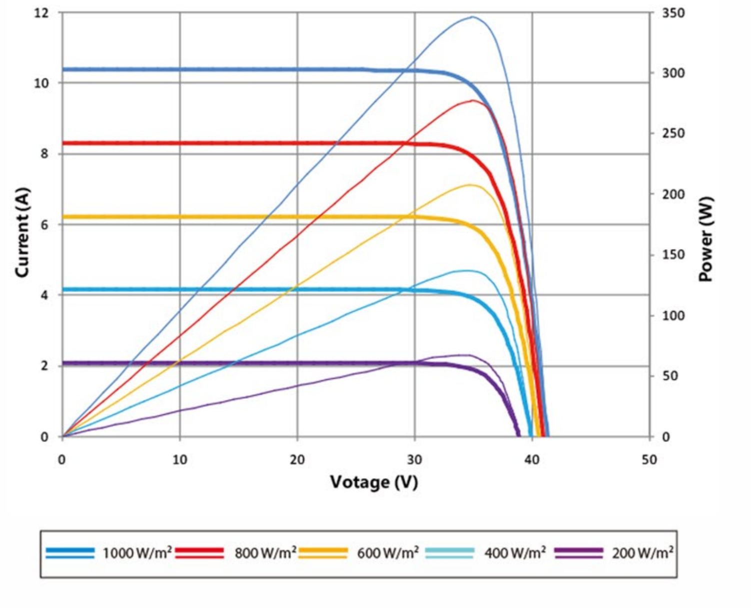
Nominal Module Operating Temperature(**NMOT**)	42±2°C
Temperature Coefficient of Pmax	-0.37 %/°C
Temperature Coefficient of Voc	-0.304 %/°C
Temperature Coefficient of Isc	0.050 %/°C



Mechanical Characteristics

Solar Cell	Monocrystalline 158.75mm
No. of Cells	120 (6 × 20)
Dimensions	1684 × 1002 × 35mm
Weight	19.0 kgs
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	4.0 mm2 , symmetrical lengths (-) 1200mm and (+) 1200 mm
Connectors	MC4 compatible(1000V)

Current-Voltage & Power-Voltage Curve (345S)



Packing Configuration

Container	20' GP	40' HC
Pieces per pallet	31	31+2
Pallets per container	12	26
Pieces per container	372	858

Company Profile

The management of MANYU Solar has been active in the solar market in Europe for more than 10 years. We developed solar projects across Europe. Our references are in Germany, Spain, Italy, Bulgaria and other European countries. For the implementation of our projects, we are constantly improving the technology of PV modules we have made and carry out recurring tests. The quality control is especially important for us and we also have random tests for the PV modules in Germany. Our products have the currently valid test standards and certificates for the pv market.