

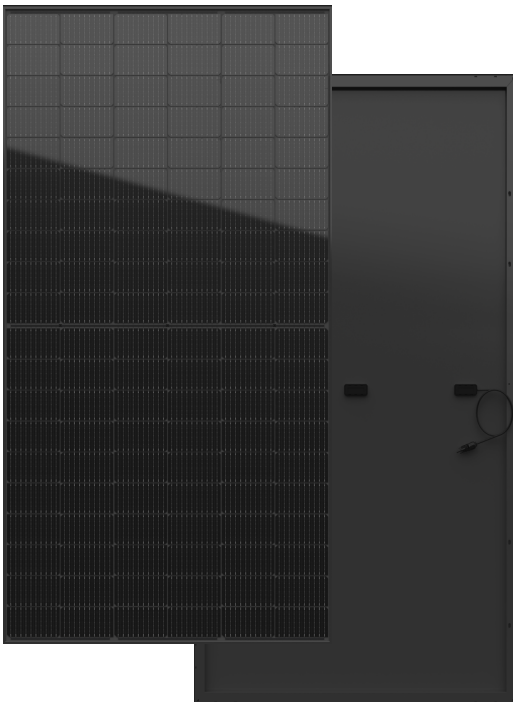
MULTIWAY+

HT60-166 Full Black

High Efficiency Low LID and PERC cell with Half-cut Technology
Big Size : Cell 166mm×83mm Monocrystalline

370W / 375W

380W / 385W / 390W



Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production.



9BB The optimized number and width of main gate lines, Maximize the light receiving area of components and reduce component power consumption.



Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BOS costs.



Entire module certified to with stand extreme wind (2400 Pa) and snow loads (5400 Pa).



All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.

12Ys

products

25Ys

warranty on power output

PID

PID resistant

5W

positive tolerance 0/+5W guaranteed

EL

microcrack resistant high performance Black backsheet structure enhance reliability, triple EL tested of high quality control.

Comprehensive and First-rate Certification System

IEC61215: 2021 . IEC61730: 2023 . UL61730: 2017 . IEC62804: 2015
ISO9001 . ISO14001 . and . ISO45001



■ Module Efficiency
21.4%

■ No.of Cells
120(6 × 20)

■ Weight
20.0kg

■ Dimensions
1755mm × 1038mm × 35mm

Electrical Characteristics

Module	HT60-166M				
Maximum Power at STC (Pmax)	370W	375W	380W	385W	390W
Open - Circuit Voltage (Voc)	41.5V	41.6V	41.7V	41.8V	41.9V
Short - Circuit Current (Isc)	11.72A	11.85A	11.98A	12.12A	12.25A
Optimum Operating Voltage (Vmp)	34.1V	34.2V	34.6V	34.7V	34.8V
Optimum Operating Current (Imp)	10.86A	10.98A	10.99A	11.10A	11.21A
Module efficiency	20.3%	20.6%	20.9%	21.2%	21.4%
Power Tolerance	0 ~ + 3%				
Maximum System Voltage	1500V DC (UL / IEC)				
Maximum Series Fuse Rating	20A				
Operating Temperature	-40 °C to +85 °C				

* STC: Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

NMOT

Module	HT60-166M				
Maximum Power	274W	278W	281W	286W	290W
Open - Circuit Voltage (Voc)	39.2V	39.3V	39.4V	39.3V	39.5V
Short - Circuit Current (Isc)	9.46A	9.57A	9.67A	9.55A	9.62A
Maximum Power Voltage (Vmp)	32.2V	32.3V	32.4V	33.2V	33.4V
Maximum Circuit Current (Imp)	8.51A	8.61A	8.67A	8.61A	8.68A
NMOT	45±2 °C				

* NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

Mechanical Characteristics

Solar Cells	Monocrystalline 166 × 83mm
No. of Cells	120(6 × 20)
Dimensions	1755mm × 1038mm × 35mm
Weight	20.0kg
Front Glass	High transmission tempered glass; thickness; 3.2mm
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (UL / IEC) length : (+) 400mm (-) 200mm / length can be customized
Connectors	MC4 / MC4compatible
Packaging Configuration	31pcs / box, 871pcs / 40'HQ container

Temperature Characteristics

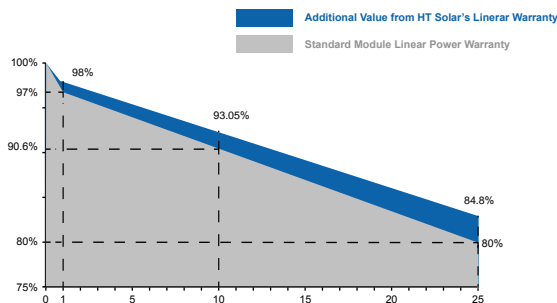
Temperature Coefficient of Pmax	-0.326%/°C
Temperature Coefficient of Voc	-0.258%/°C
Temperature Coefficient of Isc	+0.051%/°C

Warranty

12 - years
product warranty

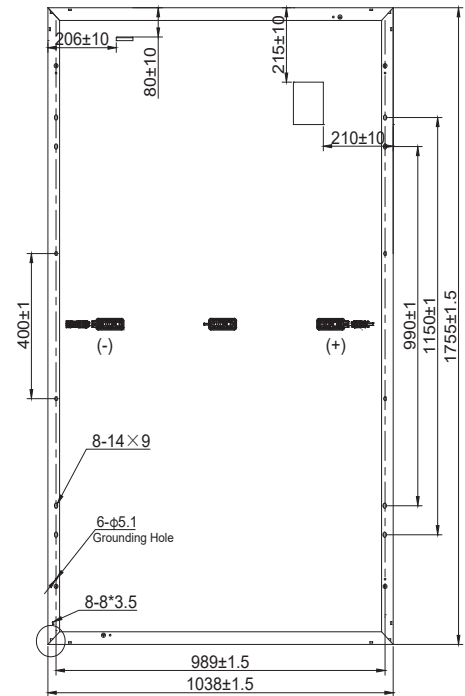
25 - years
warranty on power output

Specific information is referred to the product quality guarantee



The module recycling should be carried out by the professional institutions at the end of module life cycle

Engineering Drawing



IV Curves

