









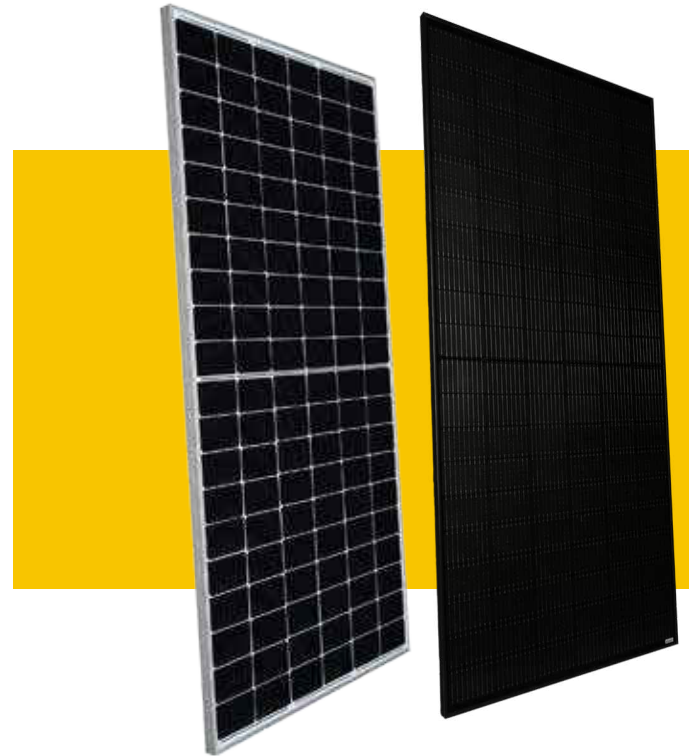
# MSMDxxxM6-60 166 M6 cells half cut

## 360W-380W

### KEY FEATURES

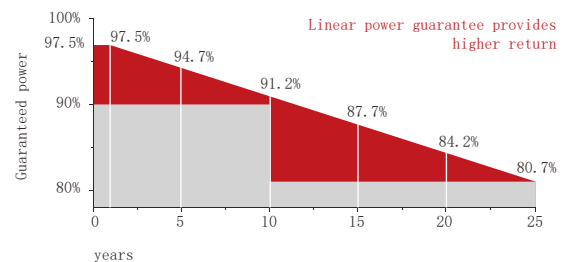
-  **Class A fire resistant** (possible on request)
-  **Outstanding performance in low-light conditions**
-  **Low temperature coefficient (Pmax): -0.36 % / °C**
- +5W** 0~+5W positive tolerance - to assure high output
-  **Low internal current, lower hot spot temperature**
-  **Cell crack risk limited in small region, enhance the module reliability**
-  **Excellent anti-PID module design, TÜV SÜD certified**
-  **Certified to withstand high wind loads (3600pa) and snow loads (8000pa)**
-  **Salt mist and ammonia corrosion resistant**

### PRODUCT CERTIFICATES



### WARRANTY

- Our linear power guarantee
- Standard linear power guarantee



**15 years** Enhanced product guarantee on product and workmanship

**25 years** Linear power output warranty

# MSMDxxxM6-60

## ELECTRICAL CHARACTERISTICS

STC	360	365	370	375	380
Maximum Power at STC (Pmax)	360 W	365 W	370 W	375 W	380 W
Optimum Operating Voltage (Vmp)	33.9 V	34.1 V	34.3 V	34.5 V	34.7 V
Optimum Operating Current (Imp)	10.62 A	10.71 A	10.79 A	10.87 A	10.96 A
Open Circuit Voltage (Voc)	40.5 V	40.7 V	40.9 V	41.1 V	41.3 V
Short Circuit Current (Isc)	11.35 A	11.42 A	11.49 A	11.56 A	11.63 A
Module Efficiency	19.7%	20.0%	20.2%	20.5%	20.8%
Operating Module Temperature	-40°C to +85°C				
Maximum System Voltage	1500 V DC (IEC)				
Maximum Series Fuse Rating	20 A				
Power Tolerance	0/+5W				

STC: Irradiance 1000 W/m<sup>2</sup>, module temperature 25 °C, AM=1.5; Tolerances of Pmax, Voc and Isc are all within +/- 5%

NMOT	360	365	370	375	380
Maximum Power at NMOT (Pmax)	270.7 W	274.3 W	278.2 W	281.75 W	285.44 W
Optimum Operating Voltage (Vmp)	31.6 V	31.8 V	32.0 V	32.2 V	32.4 V
Optimum Operating Current (Imp)	8.56 A	8.62 A	8.69 A	8.75 A	8.81 A
Open Circuit Voltage (Voc)	38.4 V	38.5 V	38.7 V	38.9 V	39.1 V
Short Circuit Current (Isc)	9.04 A	9.10 A	9.17 A	9.23 A	9.29 A

NMOT: Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s.

## TEMPERATURE CHARACTERISTICS

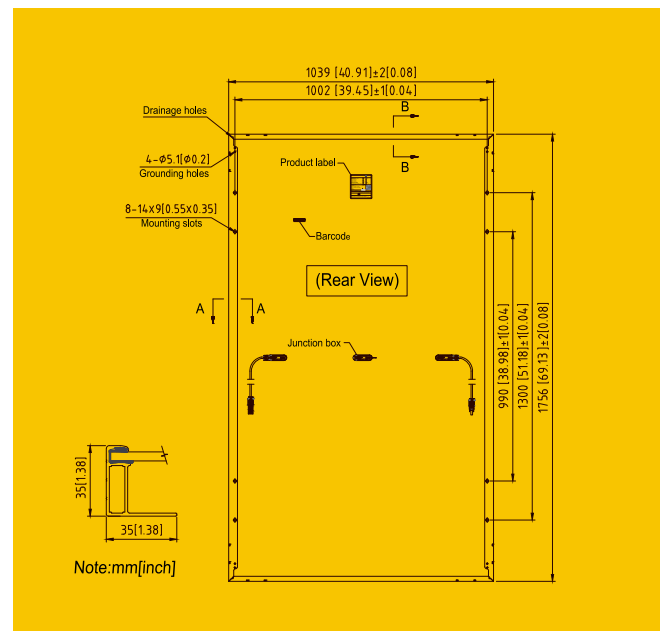
Nominal Module Operating Temperature (NMOT)	42±2°C
Temperature Coefficient of Pmax	-0.36 %/°C
Temperature Coefficient of Voc	-0.304 %/°C
Temperature Coefficient of Isc	0.058 %/°C

## MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon 166 mm (9BB)
No. of Cells	120 (6 × 20)
Dimensions	1756 x 1039 x 35 mm
Weight	20.0 kgs
Front Glass	3.2 mm tempered glass with AR coating
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , cable length 350mm or customized length

## PACKING CONFIGURATION

Container	20' GP	40' HC
Pieces per pallet	31	31+2
Pallets per container	6	26
Pieces per container	186	858



Current-Voltage & Power-Voltage Curve (370S)

