

360-380W 0-5W Positive Tolerance



MBB&SMBB Half-cut Cell Technology
New circuit design, lower internal current, and lower Rs loss.



High Power Density
A new generation of monocrystalline products with reduced resistive losses for greater power output.



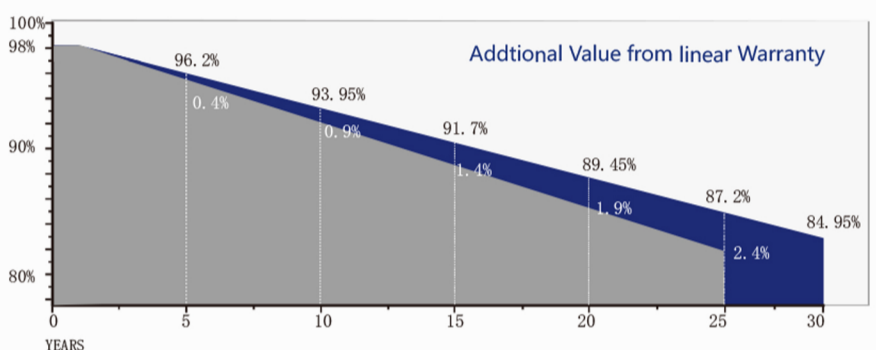
Mechanical Properties
An aluminum frame in special design for better mechanical properties and more efficient installation.



Excellent Weather Resistance
The solar modules can meet the IEC standard requirements with strong resistant to risks such as salt spray, ammonia gas, dust, snail marks and electric potential induced attenuation.



4 Times 100% EL Detection
Guarantee no micro cracks



PRODUCT QUALITY SYSTEM & CERTIFICATION



12years Material & process Warranty

25years Linear Performance Warranty

0.55% Linear Power Degradation

ELECTRICAL PROPERTIES

SM-166M-60H 120 PCS

STC : irradiance, 1000W/m²; cell temperature, 25°C; spectral range, AM1.5

NOCT: irradiance, 800 W/m²; ambient temperature, 20 °C; spectral range, AM1.5; wind speed, 1m/s

	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power P _{mp}	360W	267W	365W	270W	370W	274W	375W	278W	380W	281W
Open Circuit Voltage-V _{oc}	41.1V	38.8V	41.3V	39.0V	41.5V	39.2V	41.6V	39.3V	41.7V	39.4V
Short Circuit Current-I _{sc}	11.53A	9.31A	11.63A	9.39A	11.72A	9.46A	11.85A	9.57A	11.98A	9.67A
Max Power Voltage-V _{mp}	33.7V	31.8V	33.9V	32.0V	34.1V	32.2V	34.2A	32.3V	34.6V	32.4V
Max Power Current-I _{mp}	10.69A	8.40A	10.77A	8.44A	10.86A	8.51A	10.98V	8.61A	10.99A	8.67A
Module Efficiency STC-η _m	19.8%		20.0%		20.3%		20.6%		20.9%	
Power Tolerance(W)	0~+5W									
Maximum System Voltage	1500V DC									
Max Serie Fuse Rating	20A									

STC:irradiance 1000W/m² module temperature 25°C AM=1.5
NMOT: irradiance of 800W / m², ambient temperature 20°C, and wind speed 1m / s

Rear Gain(Take370W as an example)

Gain	5%	10%	15%	20%	25%	30%
Maximum Power	388W	407W	425W	445W	464W	482W
Open Circuit Voltage (Voc)	41.5V	41.5V	41.5V	41.6V	41.6V	41.6V
Short Circuit Current (Isc)	12.31A	12.89A	13.48A	14.06A	14.65A	15.24A
Maximum Power Voltage (Vmp)	34.1V	34.1V	34.1V	34.2V	34.2V	34.2V
Maximum Circuit Current (Imp)	11.40A	11.95A	12.49A	13.03A	13.58A	14.12A

Temperature characteristic

Pmax Temperature Coefficient	-0.35 %/° C
Voc Temperature Coefficient	-0.26 %/° C
Isc Temperature Coefficient	+0.047 %/° C
Operating Temperature	-40~+85 ° C
Nominal module operation temperature	45 ± 2 ° C

Mechanical Specifications

External Dimension	1755*1038*30mm
Weight	22.5kg
Solar Cell	Mono crystalline166*83mm, 120 (6*20)
Glass	2.0mm Tempered Glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3diodes, MC4 compatible
Output Cables	4.0mm ² , 200mm(+)/300mm(-)or Customized Length
Mechanical Load	Front side 5400pa/Back side 2400pa
Packaging Configuration	36pcs / box, 936pcs / 40' HQ Container

Technical drawings

