

SM-60 MLC 166 SERIES 60 CELLS

355-375_w



20.3%
Max efficiency

15 YEARS

Guarantee on product material and workmanship



166*83mm
Monocrystalline solar cells

25 YEARS

Linear power output warranty

KEY FEATURES



100% double EL test enabling remarkable reduction of hidden crack rate of modules



Positive power tolerance (3~ +10W) guaranteed



Lower risk of hot spot effects



Significantly lower LCOE and BoS cost savings



Low Light Features
Higher performance under low light environment.



9 Bus Bar
More uniform current collection capability, reducing the current heat loss of the internal cells.



PID Protection
Ensure the attenuation probability caused by PID phenomenon is minimized

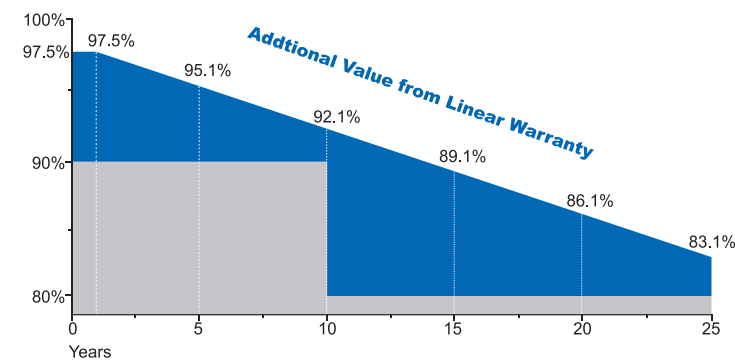
MANAGEMENT SYSTEM

ISO 9001: Quality management system

ISO 14001: Standard for environmental management system

OHSAS 18001: International standard for occupational health and safety assessment system

WARRANTY



INSURANCE



PRODUCT CERTIFICATES



166 MONO HALF CELL | 9BB

Electric Characteristics

Model of modules	SM-355-60MLC		SM-360-60MLC		SM-365-60MLC		SM-370-60MLC		SM-375-60MLC	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power— P_{mp} (W)	355W	265W	360W	269W	365W	272W	370W	276W	375W	280W
Open-circuit voltage— V_{oc} (V)	39.8V	37.42V	40.14V	37.74V	40.41V	37.99V	40.75V	38.41V	41.05V	38.59V
Short-circuit current— I_{sc} (A)	11.15A	8.97A	11.21A	9.02A	11.29A	9.02A	11.35A	9.14A	11.42A	9.19A
Maximum power voltage— V_{mp} (V)	33.37V	30.99V	33.59V	31.22V	33.81V	31.45V	34.03V	31.62V	34.25V	31.96V
Maximum power current— I_{mp} (A)	10.64A	8.54A	10.72A	8.60A	10.80A	8.65A	10.87A	8.71A	10.95A	8.75A
Module efficiency— η_m (%)	19.2%		19.5%		19.7%		20.0%		20.3%	

STC: Irradiance 1000 W/m², 25°C, AM1.5 NOCT: Irradiance 800 W/m², 20°C, wind velocity 1m/s

Temperature Characteristics

Temperature coefficient at maximum power	-0.34%/ °C
Temperature coefficient of Voc	-0.27%/ °C
Temperature coefficient of Isc	+0.04%/ °C
Current operating temperature	-40~+85 °C
Rated operating temperature of cells	45±2 °C

Structural Characteristics

Module dimensions	1768x1046x35mm
Weight	20kg
No. of Half-cells	120(6x20)
Cell	Mono crystalline 166x83mm
Glass	3.2mm AR coating tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68, three diodes
Output wire	4.0 mm ² , wire length: 1200mm or Customized
Connector	MC4 compatible
Mechanical load	Snow load 5400Pa/Wind load 2400Pa

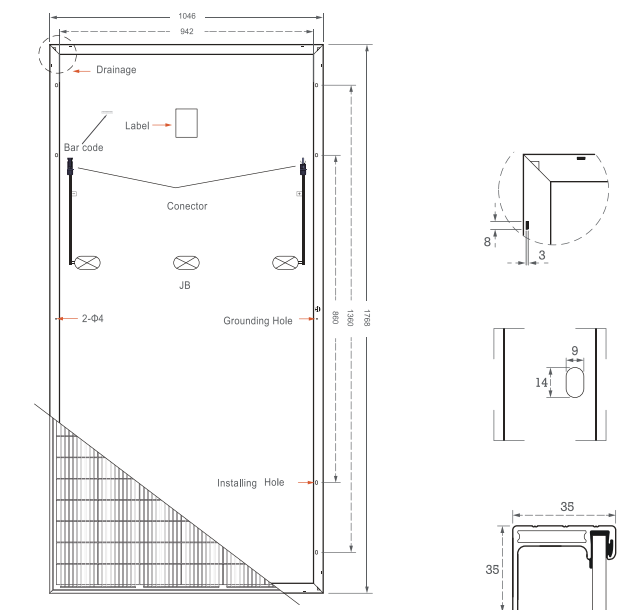
Working Characteristics

Power tolerance(W)	(3,+10)
Maximum system voltage(V)	1000V/1500V
Maximum rated fuse current (A)	20

Packaging Configuration

Container	20GP	40HQ
Quantity per pallet	30	31
Pallets per container	10	26
Quantity per container	300	832

Engineering Drawings



IV Curves

