

SC20-60MBE

315 ~ 330W

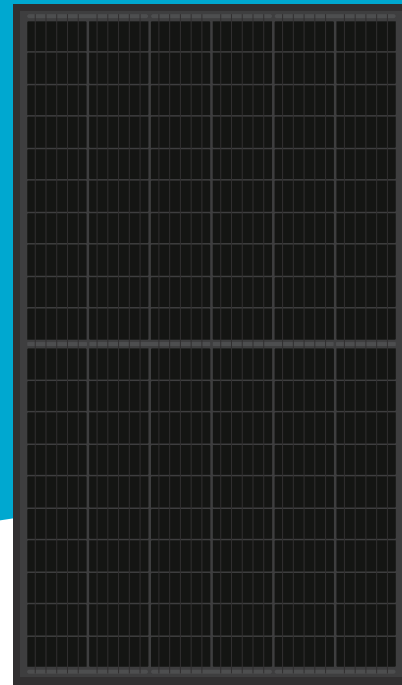
HALF-CUT Series

1,000V Monocrystalline PV Module

CERTIFICATIONS

IEC 61215, 61730 / UL 61730
 ISO 9001 : Quality Management System
 ISO 14001 : Environmental Management System
 ISO 45001 : Occupational Health & Safety System

All Black



FEATURES



Enhanced External Load/Impact

Snow Load : 5,400 Pa
 Wind Load : 2,400 Pa



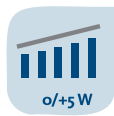
PID Resistance

Enhanced Potential Induced Degradation Resistance



Fire Safety

Spread of Flame Class A
 Burning Brand Class C



Higher output power

0~+5Wp,
 Higher than rated power



Excellent performance under low light conditions

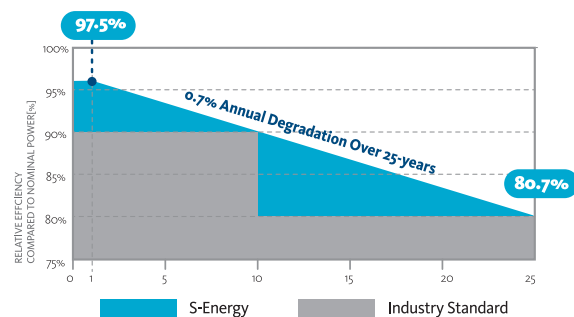
Cloudy days, mornings and evenings



WARRANTY

12 -YEARS PRODUCT WARRANTY

25 -YEARS LINEAR PERFORMANCE WARRANTY



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Homepage

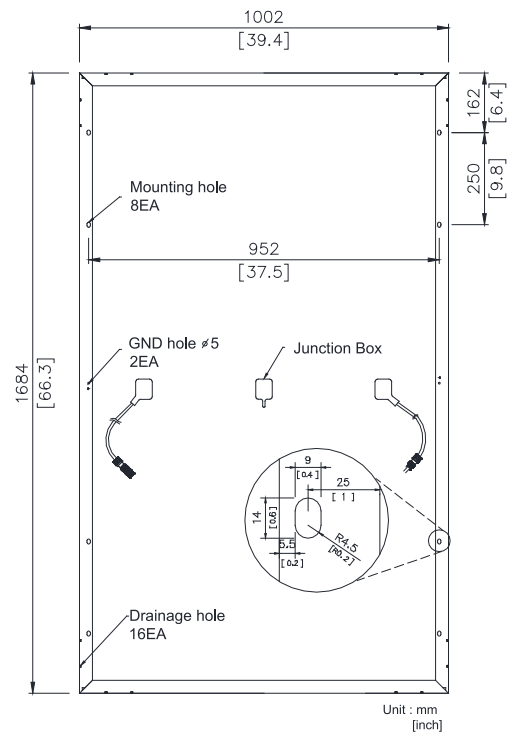


ELECTRICAL CHARACTERISTICS

STC (Irradiance 1,000W/m ² , module temperature 25°C, AM=1.5)	SC20-60MBE-315M	SC20-60MBE-320M	SC20-60MBE-325M	SC20-60MBE-330M
Rated Power (Pmax)	315W	320W	325W	330W
Voltage at Pmax (Vmp)	33,40V	33,57V	33,75V	33,93V
Current at Pmax (Imp)	9,44A	9,54A	9,64A	9,74A
Warranted Minimum Pmax	315W	320W	335W	330W
Short-Circuit Current (Isc)	9,84A	9,95A	10,05A	10,15A
Open-Circuit Voltage (Voc)	41,06V	41,23V	41,40V	41,57V
Module Efficiency	18,67%	18,96%	19,26%	19,56%
Operating Module Temperature	-40°C to +85°C			
Maximum System Voltage	1,000V			
Fuse Rating	15A			
Maximum Reverse Current	20,25A			
Power Tolerance	0 ~ +5W			

MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline Cells 158,75x79,375mm
Number of Cells	60 Half Cells (6x20 Matrix)
Dimensions	1,684 x 1,002 x 35mm
Front Load	5,400Pa
Rear Load	2,400Pa
Weight	18,8kg
Glass	3,2mm High-Transmittance Low Iron Tempered Glass
Frame	Anodized Aluminum Frame (Black)
J-Box	≥ IP67 with 3 bypass diodes
Output Cables	PV Wire (PV1-F), 12AWG (4mm ²), Cable Length : 300mm/1,000mm
Connectors	MC4 Original, Compatible

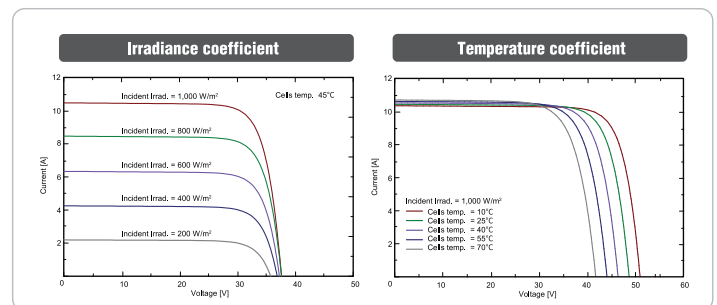


TEMPERATURE CHARACTERISTICS

Temperature coefficient of Isc	0,048 % / °C
Temperature coefficient of Voc	-0,280 % / °C
Temperature coefficient of power	-0,360 % / °C
NOCT (Tair 20°C ; Irradiance 800W/m ² ; Wind 1m/s)	45±2 °C

PACKING CONFIGURATION

Container	20'	40'
Modules Per Pallet	31pcs	31pcs
Pallets Per Container	10pallets	26pallets
Modules Per Container	310pcs	806pcs



REMARKS

- Pmax measurement tolerance : ±2.5%
- S-Energy uses triple A class simulator.
- Specification subject to change without prior notice.
- S-Energy reserves the rights of final interpretation.

NOTES

- Installation instruction supplied with the module must be duly followed.
- For further information which is not mentioned on installation guides or directions, please contact to our technical service department.
- E-mail : Inquiry@s-energy.com