

SC20-60M

315~330W



Half cut Series

M3 Monocrystalline PV Module

All Black



QUALIFICATIONS & CERTIFICATIONS

IEC 61215 & 61730, ISO 9001

FEATURES



Enhanced External Load/Impact

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



PID Resistance

Enhanced Potential Induced Degradation Resistance

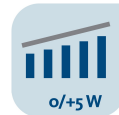


Excellent performance under low light conditions



Fire Safety

Spread of Flame Class A
Burning Brand Class C



Higher output power

0~+5Wp,
Higher than rated power

S-Energy Co., Ltd.

A 20 Pangyoyeok-ro 241beongil, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea (3F MiraeAsset Tower)
T +82-70-4339-7100 F +82-70-4339-7199 E inquiry@s-energy.com

S-Energy America, Inc.

A 18022 Cowan, Suite 260, Irvine, CA 92614, U.S.A
T +1-949-281-7897 F +1-949-281-7893 E sales.us@s-energy.com

S-Energy Japan Co., Ltd.
(Osaka Headquarters)

A 8F, MJ Abeno Bldg., 1-5-1 Maruyama-dori, Abeono-ku, Osaka-shi, Osaka, Japan
T +81-6-4703-5388 F +81-6-4703-5387 E sales_jp@s-energy.com

S-Energy Japan Co., Ltd.
(Tokyo Branch)

A Fukuroku Building 2F, 2-7 Kanda-Tsukasamachi, Chiyoda-ku, Tokyo, Japan
T +81-3-6261-3759 F +81-3-6261-3769 E sales_jp@s-energy.com

Homepage



SC20-60MBE

315 · 320 · 325 · 330

M3 Half-cut  S-Energy
Monocrystalline PV Module

M-Model

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) Power	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	325W	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	1000V			
Maximum Series Fuse Rating	15A			
Power Tolerance	0 ~ +5 W			

MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline Half-cut 158.75x79.375mm
Number of Cells	120 Cells (6x20 Matrix)
Dimensions	1,684 x 1,002 x 35mm
Weight	18.8kg
Front Glass	3.2mm Tempered Coated PV Glass
Frame	Anodized Aluminum Frame (Black)
Output Cables	PV Wire (PV1-F), 12AWG (4mm ²), Cable Length : 1,000mm
Connectors	MC4 Original

TEMPERATURE CHARACTERISTICS

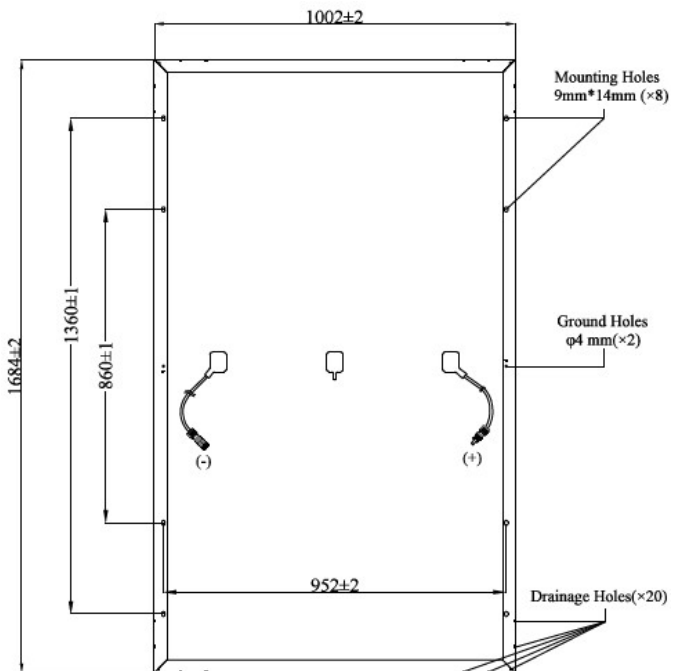
Temperature coefficient of Isc	0.048 % / °C
Temperature coefficient of Voc	-0.280 % / °C
Temperature coefficient of power	-0.360 % / °C
NMOT (Tair 20°C ; Irradiance 800W/m² ; Wind 1m/s)	45±2 °C

WARRANTY

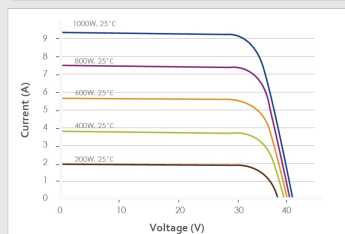
Product Warranty	15-year Limited Product Warranty
Performance Warranty	Minimum Power Output for Year 1 : 97.5%
	Maximum Power Decline from Year 2 to 24 : 0.6%
	Power Output in Year 25 : 83.1%

PACKING CONFIGURATION

Container	40' H/C
Modules Per Pallet	25pcs
Pallets Per Container	26pallets
Modules Per Container	650pcs



Irradiance coefficient



REMARKS

- Pmax measurement tolerance : ± 3%
- S-Energy uses triple A class simulator.
- Specification subject to change without prior notice.
- S-Energy reserves the rights of final interpretation.