

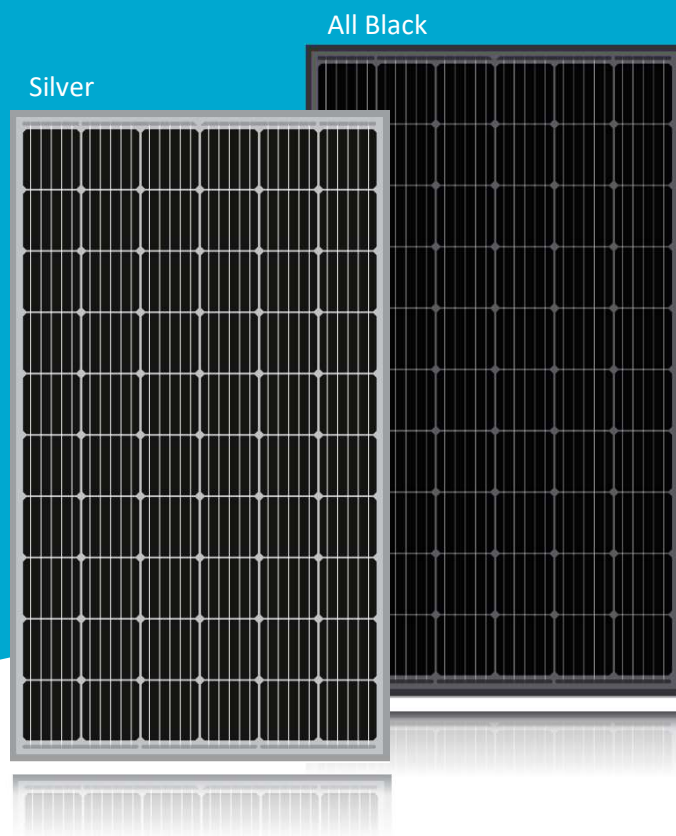
SN20-60

320~330W



Full Series

M3 Monocrystalline PV Module



QUALIFICATIONS & CERTIFICATIONS

IEC 61215, 61730, UL 61730
ISO 9001, 14001, OHSAS 18001

FEATURES



Enhanced External Load/Impact

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



PID Resistance

Enhanced Potential Induced Degradation Resistance

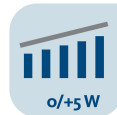


Excellent performance under low light conditions



Fire Safety

Spread of Flame Class A
Burning Brand Class C



Higher output power

0~+5Wp,
Higher than rated power

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Homepage



SN20-60MAE/MBE/MCE

320 · 325 · 330

M3 Full  S-Energy
Monocrystalline PV Module

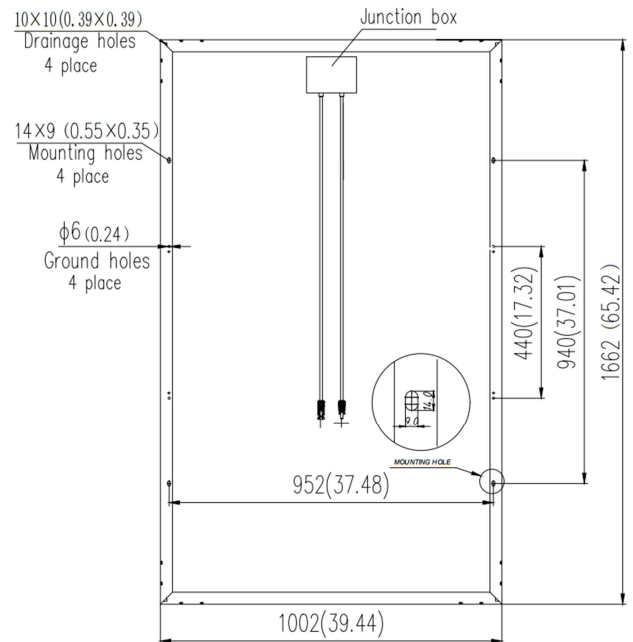
ELECTRICAL CHARACTERISTICS

V-Model

STC (Irradiance 1,000W/m ² , module temperature 25°C, AM=1.5)	SN20-60MAE/MBE/MCE-320V	SN20-60MAE/MBE/MCE-325V	SN20-60MAE/MBE/MCE-330V
Rated Power (Pmax) Power	320W	325W	330W
Voltage at Pmax (Vmp)	33.4V	33.6V	33.8V
Current at Pmax (Imp)	9.59A	9.68A	9.77A
Warranted Minimum Pmax	320W	325W	330W
Short-Circuit Current (Isc)	10.12A	10.24A	10.34A
Open-Circuit Voltage (Voc)	40.6V	40.7V	40.9V
Module Efficiency *	19.22%	19.52%	19.82%
Operating Module Temperature	-40°C to + 85°C		
Maximum System Voltage	1,000V		
Maximum Series Fuse Rating	20A		
Power Tolerance	0 ~ 5 Watt		

MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline 158.75x158.75mm
Number of Cells	60 Cells (6x10 Matrix)
Dimensions	1,662 x 1,002 x 35mm
Weight	18.6kg
Front Glass	High-Transmittance Low Iron Tempered Glass
Frame	Anodized Aluminum Frame (Silver / Black)
Output Cables	PV Wire (PV1-F), 12AWG (4mm ²), Cable Length : 900mm
Connectors	MC4 Compatible



BACK VIEW

TEMPERATURE CHARACTERISTICS

Temperature coefficient of Isc	0.05 % / °C
Temperature coefficient of Voc	-0.29 % / °C
Temperature coefficient of power	-0.39 % / °C
NOCT (Tair 20°C ; Irradiance 800W/m ² ; Wind 1m/s)	45±2 °C

WARRANTY

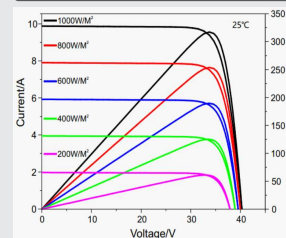
Product Warranty	12-year Limited Product Warranty
Performance Warranty	Minimum Power Output for Year 1 : 97%
	Maximum Power Decline from Year 2 to 24 : 0.68%
	Power Output in Year 25 : 80.68%

PACKING CONFIGURATION

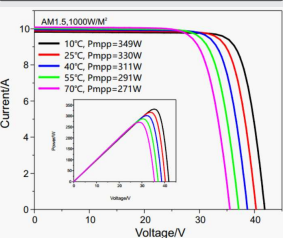
Container	40' H/C
Modules Per Pallet	30pcs
Pallets Per Container	28pallets
Modules Per Container	840pcs



Irradiance coefficient



Temperature 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.