

SC20-72_{MAE·MCE}

395~410W

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

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



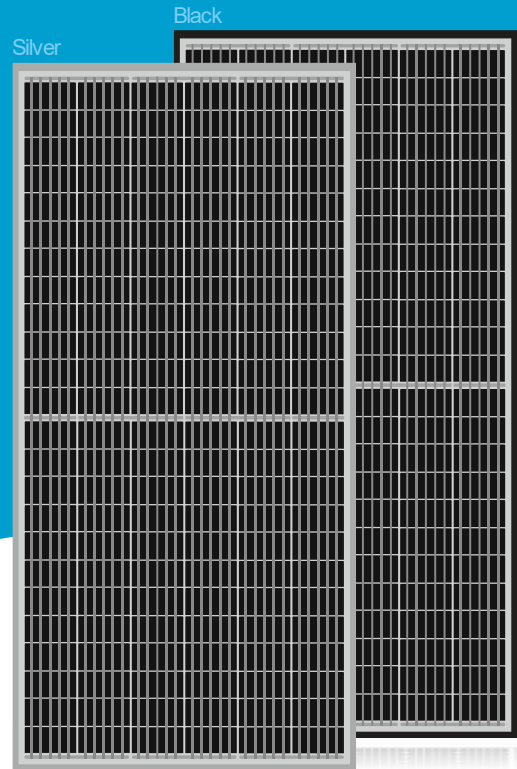
Excellent performance under low light conditions

Cloudy days, mornings and evening



Various Options Available

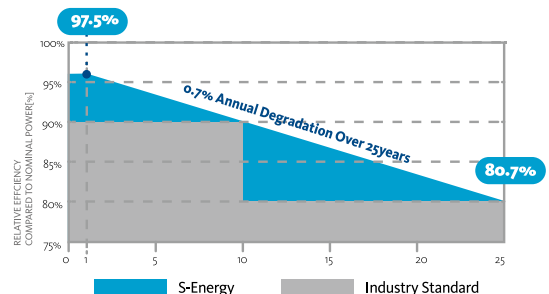
Black or Silver Frame



WARRANTY

12 -YEARS PRODUCT WARRANTY

25 -YEARS LINEAR PERFORMANCE WARRANTY



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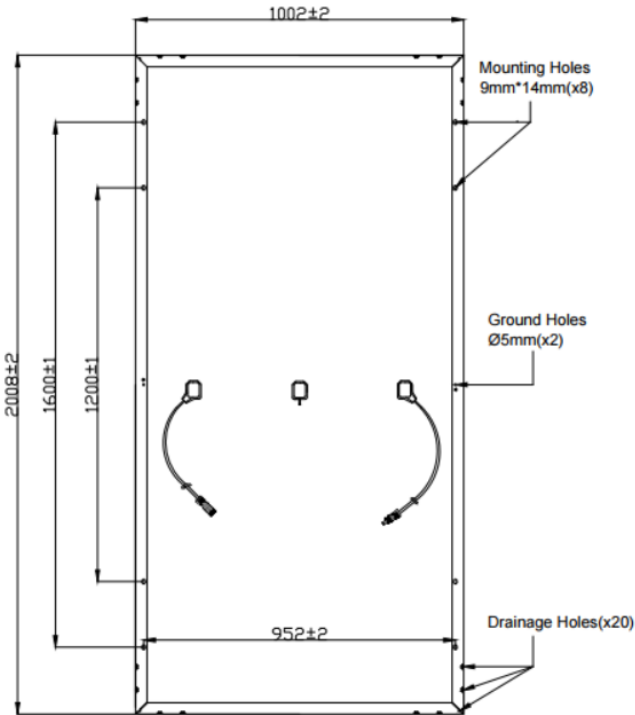


ELECTRICAL CHARACTERISTICS

STC (Irradiance 1,000W/m², module temperature 25°C, AM=1.5)	SC20-72MAE/MCE-395M	SC20-72MAE/MCE-400M	SC20-72MAE/MCE-405M	SC20-72MAE/MCE-410M
Rated Power (Pmax)	395W	400W	405W	410W
Voltage at Pmax (Vmp)	40.42V	40.62V	40.79V	40.97V
Current at Pmax (Imp)	9.78A	9.86A	9.94A	10.02A
Warranted Minimum Pmax	395W	400W	405W	410W
Short-Circuit Current (Isc)	10.19A	10.27A	10.35A	10.43A
Open-Circuit Voltage (Voc)	49.65V	49.82V	49.99V	50.16V
Module Efficiency	19.63%	19.88%	20.13%	20.38%
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	72 Half Cells (6x24 Matrix)
Dimensions	2,008 x 1,002 x 40mm
Front Load	5,400Pa
Rear Load	2,400Pa
Weight	23.1kg
Glass	3.2mm High-Transmittance Low Iron Tempered Glass
Frame	Anodized Aluminum Frame (Silver / Black)
J-Box	≥ IP67 with 3 bypass diodes
Output Cables	PV Wire (PV1-F), 12AWG (4mm²), Cable Length : 300/1,000mm
Connectors	MC4 Original, Compatible

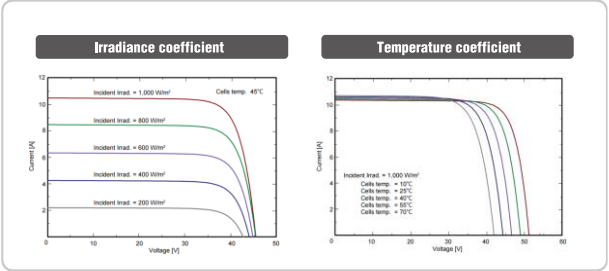


TEMPERATURE CHARACTERISTICS

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/m² ; Wind 1m/s)	45±2 °C

PACKING CONFIGURATION

Container	20'	40'
Modules Per Pallet	27pcs	27pcs
Pallets Per Container	9pallets	22pallets
Modules Per Container	243pcs	594pcs



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