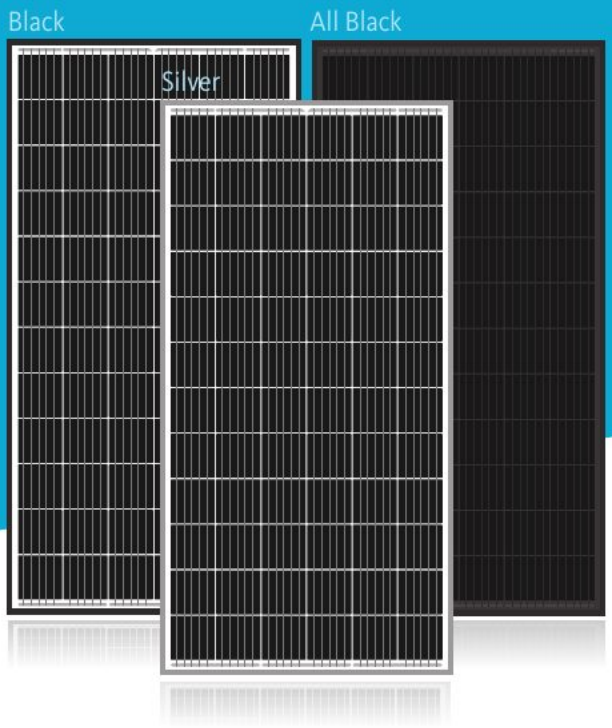
SN20-72MAE·MBE·MCE
385~395W

S-Energy

STANDARD 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

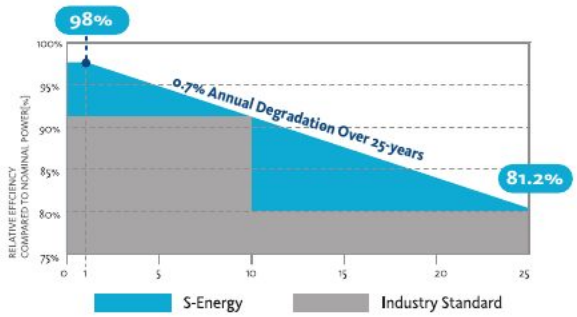
Higher output power
0~+5Wp,
Higher than rated power

Excellent performance under low light conditions
Cloudy days, mornings and evenings

Various Options Available
Black or Silver Frame

WARRANTY

12 -YEARS PRODUCT WARRANTY
25 -YEARS LINEAR PERFORMANCE WARRANTY



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 (SEAI 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 Chile (S-Energy Chile SpA)
A Av. Cerro El Plomo Nº5420, Office 402, Las Condes, Santiago, Chile
T +56-22-604-8111 E sales.cl@s-energy.com

S-Energy Japan_Osaka Headquarters (S-Energy Japan Co., Ltd.)
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_Tokyo Branch (S-Energy Japan Co., Ltd.)
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

SN20-72 MAE·MBE·MCE

1,000V Monocrystalline PV Module 385W · 390W · 395W

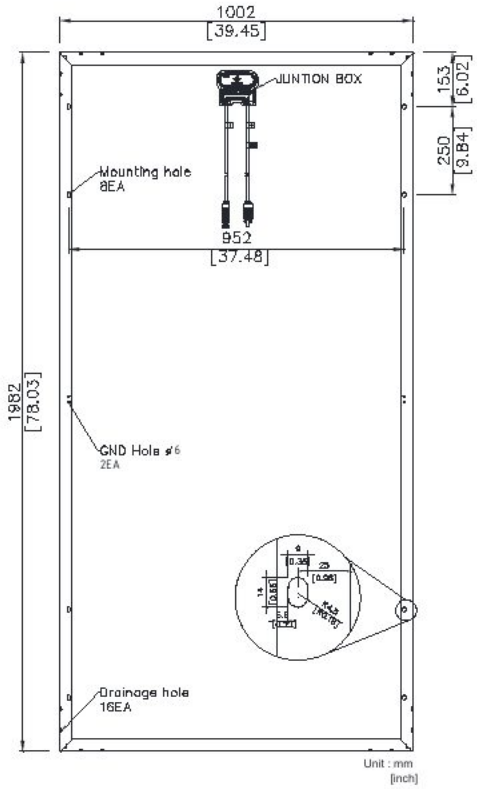
S-Energy

ELECTRICAL CHARACTERISTICS

STC (Irradiance 1,000W/m², module temperature 25℃, AM=1.5)	SN20-72MAE/MBE/MCE-385V	SN20-72MAE/MBE/MCE-390V	SN20-72MAE/MBE/MCE-395V
Rated Power (Pmax)	385W	390W	395W
Voltage at Pmax (Vmp)	40.2V	40.4V	40.6V
Current at Pmax (Imp)	9.58A	9.66A	9.74A
Warranted Minimum Pmax	385W	390W	395W
Short-Circuit Current (Isc)	10.09A	10.18A	10.27A
Open-Circuit Voltage (Voc)	48.7V	48.9V	49.1V
Module Efficiency	19.39%	19.64%	19.89%
Operating Module Temperature	-40℃ to + 85℃		
Maximum System Voltage	1,000V		
Fuse Rating	20A		
Maximum Reverse Current	27A		
Power Tolerance	0 ~ +5W		

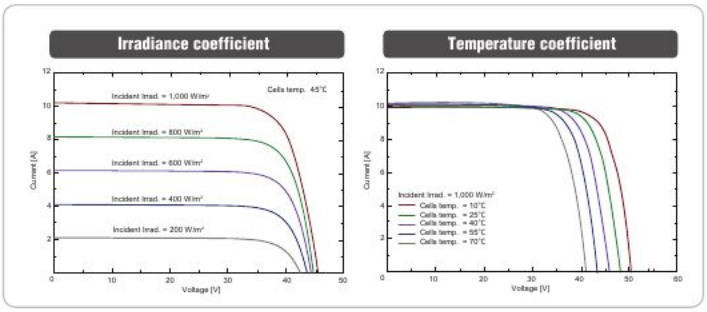
MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline Cells 158.75x158.75mm
Number of Cells	72 Cells (6x12 Matrix)
Dimensions	1,982 x 1,002 x 40mm
Front Load	5,400Pa
Rear Load	2,400Pa
Weight	22.4kg
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 : 1,200mm
Connectors	MC4 Original, Compatible



TEMPERATURE CHARACTERISTICS

Temperature coefficient of Isc	0.05% / ℃
Temperature coefficient of Voc	-0.29 % / ℃
Temperature coefficient of power	-0.39 % / ℃
NOCT (Tair 20℃ ; Irradiance 800W/m² ; Wind 1m/s)	45±2℃



PACKING CONFIGURATION

Container	20'	40'
Modules Per Pallet	27pcs	27pcs
Pallets Per Container	10pallets	22pallets
Modules Per Container	270pcs	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