

SL65-72_{MBJ} 525~550W

HALF-CUT Series

1,500V 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

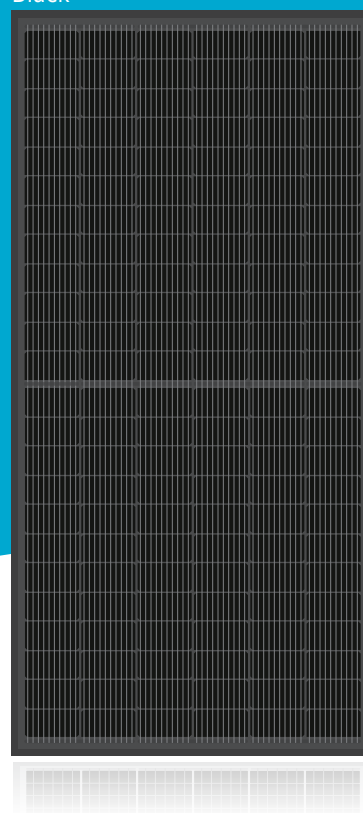
0~+5Wp,
Higher than rated power



Excellent performance under low light conditions

Cloudy days, mornings and evenings

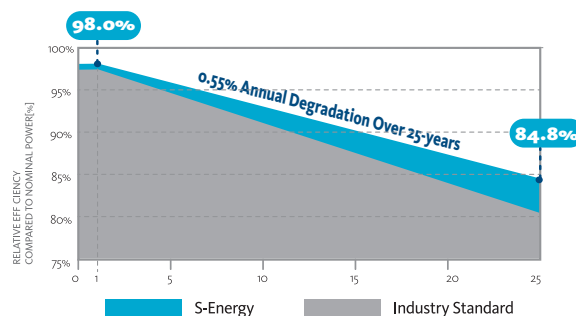
Black



WARRANTY

12 -YEARS PRODUCT WARRANTY

25 -YEARS LINEAR PERFORMANCE WARRANTY



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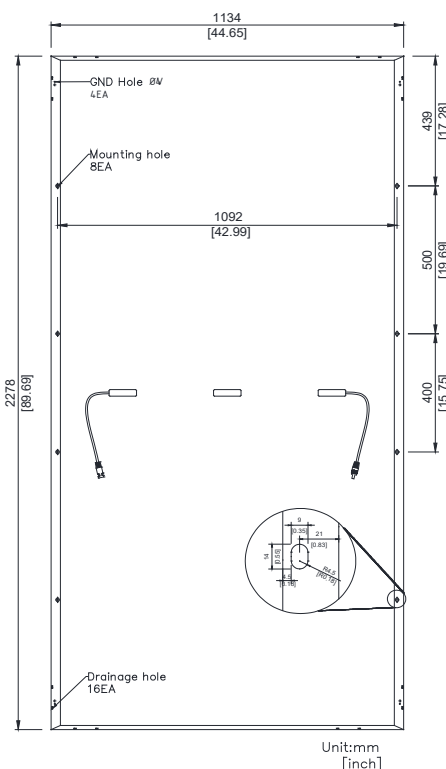


ELECTRICAL CHARACTERISTICS

STC (Irradiance 1,000W/m², module temperature 25°C, AM=1.5)	SL65-72MBJ-525Z	SL65-72MBJ-530Z	SL65-72MBJ-535Z	SL65-72MBJ-540Z	SL65-72MBJ-545Z	SL65-72MBJ-550Z
Rated Power (Pmax)	525W	530W	535W	540W	545W	550W
Voltage at Pmax (Vmp)	40.80V	41.00V	41.20V	41.40V	41.60V	41.80V
Current at Pmax (Imp)	12.88A	12.94A	13.00A	13.05A	13.11A	13.16A
Warranted Minimum Pmax	525W	530W	535W	540W	545W	550W
Short-Circuit Current (Isc)	13.60A	13.66A	13.72A	13.78A	13.84A	13.90A
Open-Circuit Voltage (Voc)	49.10V	49.30V	49.50V	49.70V	49.90V	50.10V
Module Efficiency	20.32%	20.52%	20.71%	20.90%	21.10%	21.29%
Operating Module Temperature	-40°C to + 85°C					
Maximum System Voltage	1,500V					
Fuse Rating	25A					
Maximum Reverse Current	33.75A					
Power Tolerance	0 ~ +5W					

MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline Cells 182x91mm
Number of Cells	72 Half Cells (6x24 Matrix)
Dimensions	2,278 x 1,134 x 35mm
Front Load	5,400Pa
Rear Load	2,400Pa
Weight	28.0 ± 1kg
Glass	3,2mm High-Transmittance Low Iron Tempered Glass
Frame	Anodized Aluminum Frame (Black)
J-Box	≥ IP68 with 3 bypass diodes
Output Cables	PV Wire, 12AWG (4mm ²), Cable Length : 350mm * cable length can be customized
Connectors	MC4 Original, Compatible

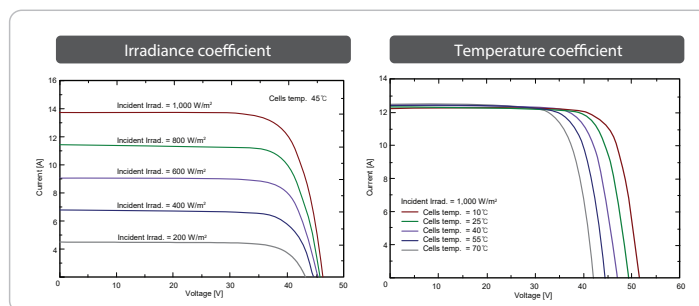


TEMPERATURE CHARACTERISTICS

Temperature coefficient of Isc	0,050 % / °C
Temperature coefficient of Voc	-0,290 % / °C
Temperature coefficient of power	-0,350 % / °C
NOCT (Tair 20°C ; Irradiance 800W/m2 ; Wind 1m/s)	44±2 °C

PACKING CONFIGURATION

Container	20'	40'
Modules Per Pallet	31pcs	31pcs
Pallets Per Container	5pallets	20pallets
Modules Per Container	155pcs	620pcs



REMARKS

- Pmax measurement tolerance : $\pm 2.5\%$
- 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