

SL65-66MBJ

485~505W

HALF-CUT / MBB 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

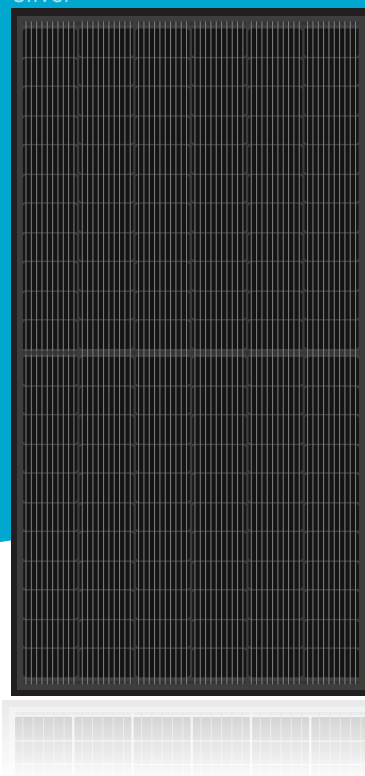
0~+5Wp,
 Higher than rated power



Excellent performance under low light conditions

Cloudy days, mornings and evenings

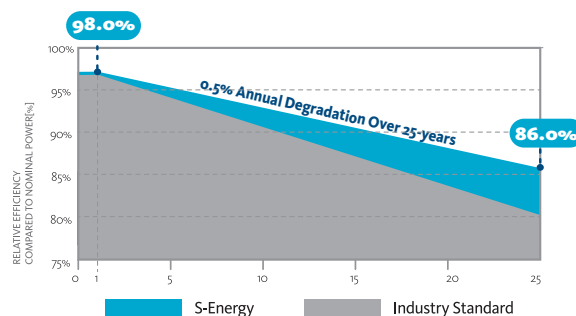
Silver



WARRANTY

12 -YEARS PRODUCT WARRANTY

25 -YEARS LINEAR PERFORMANCE WARRANTY



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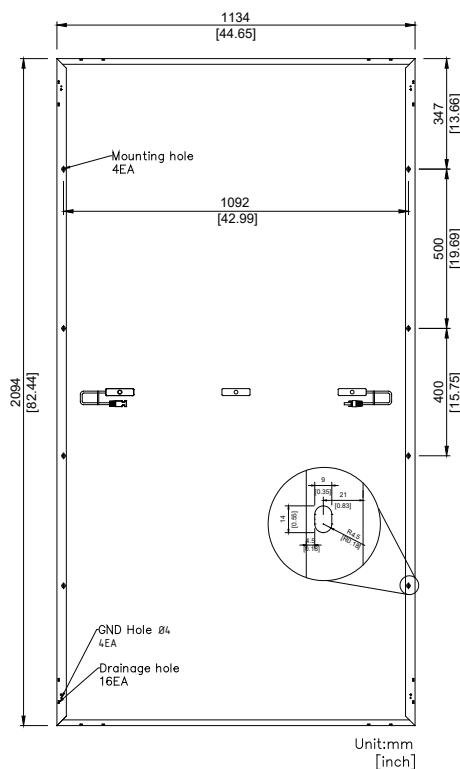


ELECTRICAL CHARACTERISTICS

STC (Irradiance 1,000W/m ² , module temperature 25°C, AM=1.5)	SL65-66MBJ-485Z	SL65-66MBJ-490Z	SL65-66MBJ-495Z	SL65-66MBJ-500Z	SL65-66MBJ-505Z
Rated Power (Pmax)	485W	490W	495W	500W	505W
Voltage at Pmax (Vmp)	37.50V	37.70V	37.90V	38.10V	38.30V
Current at Pmax (Imp)	12.94A	13.00A	13.07A	13.13A	13.19A
Warranted Minimum Pmax	485W	490W	495W	500W	505W
Short-Circuit Current (Isc)	13.66A	13.72A	13.78A	13.84A	13.90A
Open-Circuit Voltage (Voc)	45.10V	45.30V	45.50V	45.70V	45.90V
Module Efficiency	20.42%	20.64%	20.85%	21.06%	21.27%
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	66 Half Cells (6x22 Matrix)
Dimensions	2,094 x 1,134 x 35mm
Front Load	5,400Pa
Rear Load	2,400Pa
Weight	25.5kg
Glass	3.2mm High-Transmittance Low Iron Tempered Glass
Frame	Anodized Aluminum Frame (Silver)
J-Box	IP68 with 3 bypass diodes
Output Cables	PV Wire (PV1-F), 12AWG (4mm ²), Cable Length : 350mm * cable length can be customized
Connectors	MC4 Compatible

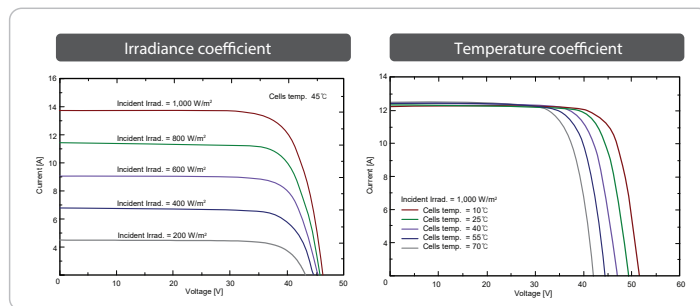


TEMPERATURE CHARACTERISTICS

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/m ² ; Wind 1m/s)	44±2 °C

PACKING CONFIGURATION

Container	20'	40'
Modules Per Pallet	31pcs	31pcs
Pallets Per Container	6pallets	22pallets
Modules Per Container	186pcs	682pcs



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