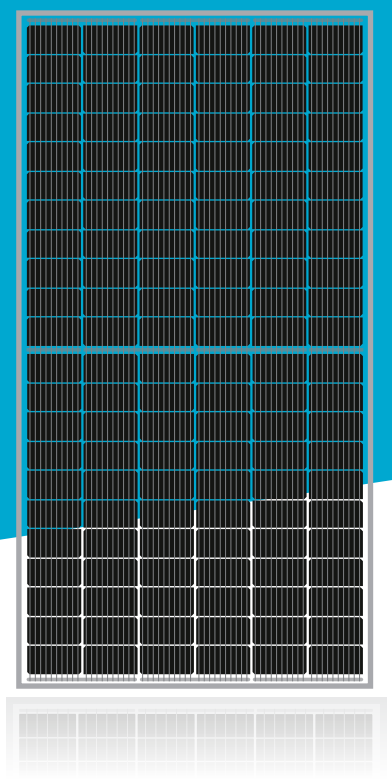
S-Energy

SL65-66BDJ
480~505W

HALF-CUT / MBB Series

1,500V Monocrystalline PV Module

Silver



CERTIFICATIONS

IEC 61215, 61730 / UL 61730
ISO 9001 : Quality Management System
ISO 14001 : Environmental Management System
ISO 45001 : Occupational Health & Safety System

FEATURES

Up to 25% more energy yield due to the back side power generation

Low LID mono PERC bifacial cell technology

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

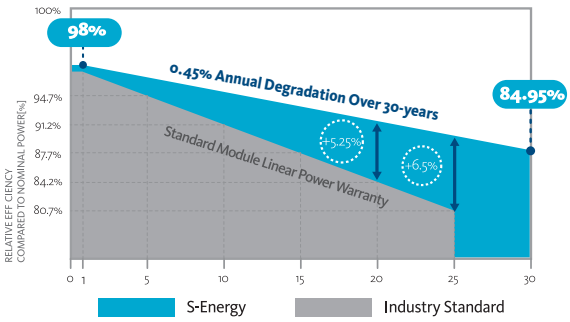
Enhanced External Load/Impact
Snow Load : 5,400 Pa
Wind Load : 2,400 Pa

PID Resistance
Enhanced Potential Induced Degradation Resistance

Fire Safety
Spread of Flame Class A
Burning Brand Class C

WARRANTY

12 -YEARS PRODUCT WARRANTY
30 -YEARS LINEAR PERFORMANCE WARRANTY



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Homepage

SL65-66 BDJ

1,500V Monocrystalline PV Module

480W · 485W · 490W · 495W · 500W · 505W

S-Energy

ELECTRICAL CHARACTERISTICS

STC (Irradiance 1,000W/m², module temperature 25℃, AM=1.5)	SL65-66BDJ-480Z	SL65-66BDJ-485Z	SL65-66BDJ-490Z	SL65-66BDJ-495Z	SL65-66BDJ-500Z	SL65-66BDJ-505Z
Rated Power (Pmax)	480W	485W	490W	495W	500W	505W
Voltage at Pmax (Vmp)	37.40V	37.60V	37.80V	38.00V	38.20V	38.40V
Current at Pmax (Imp)	12.84A	12.90A	12.97A	13.03A	13.09A	13.16A
Warranted Minimum Pmax	480W	485W	490W	495W	500W	505W
Short-Circuit Current (Isc)	13.60A	13.66A	13.72A	13.78A	13.84A	13.90A
Open-Circuit Voltage (Voc)	45.00V	45.20V	45.40V	45.60V	45.80V	46.00V
Module Efficiency	20.21%	20.42%	20.64%	20.85%	21.06%	21.27%
Operating Module Temperature	-40℃ to + 85℃					
Maximum System Voltage	1,500V					
Fuse Rating	30A					
Maximum Reverse Current	40.5A					
Power Tolerance	0 ~ +5W					

ELECTRICAL CHARACTERISTICS

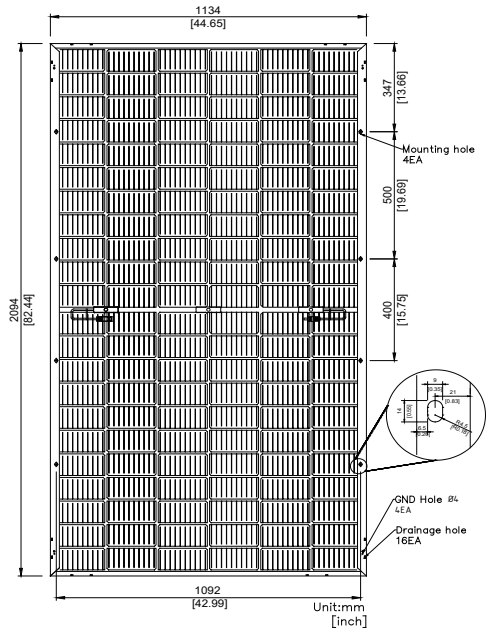
back side power gain(reference to 500W front)

*Bifaciality ≥70%

Pmax	567W	594W	621W	648W	675W
Voltage at Pmax (Vmp)	38.20V	38.20V	38.20V	38.30V	38.30V
Current at Pmax (Imp)	14.84A	15.55A	16.26A	16.92A	17.62A
Short-Circuit Current (Isc)	14.54A	15.24A	15.93A	16.62A	17.31A
Open-Circuit Voltage (Voc)	45.8V	45.8V	45.8V	45.9V	45.9V
Pmax gain	5%	10%	15%	20%	25%

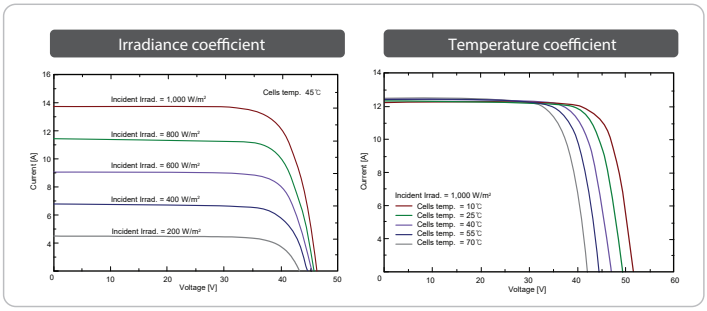
MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline Cells 182x91mm
Number of Cells	66 Half Cells (6x22 Matrix)
Dimensions	2,094 x 1,134 x 30mm
Front Load	5,400Pa
Rear Load	2,400Pa
Weight	29.0kg
Glass	Dual glass, 2mm Tempered Glass
Frame	Anodized Aluminum Frame (Silver)
J-Box	≥ IP68 with 3 bypass diodes
Output Cables	PV Wire, 12AWG (4mm²), Cable Length : 350mm * cable length can be customized
Connectors	MC4 Compatible



TEMPERATURE CHARACTERISTICS

Temperature coefficient of Isc	0.050 % / ℃
Temperature coefficient of Voc	-0.290 % / ℃
Temperature coefficient of power	-0.350 % / ℃
NMOT (Tair 20℃ ; Irradiance 800W/m2 ; Wind 1m/s)	44±2 ℃



PACKING CONFIGURATION

Container	20'	40'
Modules Per Pallet	36pcs	36pcs
Pallets Per Container	5pallets	22pallets
Modules Per Container	180pcs	792pcs

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