

SL65-72BDJ 525~550W

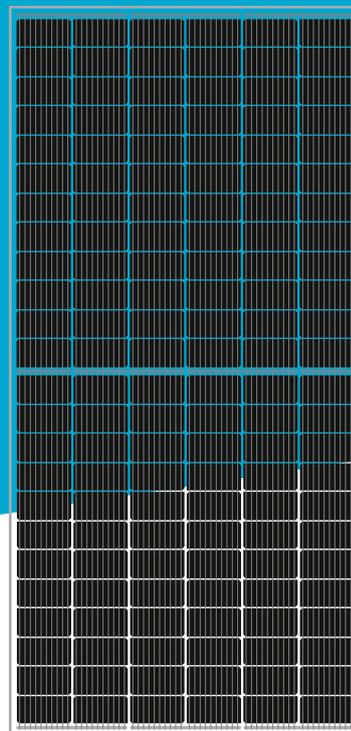
BIFACIAL HALF-CUT Series

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

Silver



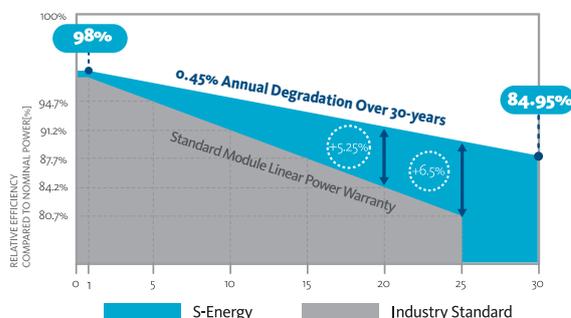
FEATURES

- 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



ELECTRICAL CHARACTERISTICS

| STC (Irradiance 1,000W/m ² , module temperature 25°C, AM=1.5) | SL65-72BDJ-525Z | SL65-72BDJ-530Z | SL65-72BDJ-535Z | SL65-72BDJ-540Z | SL65-72BDJ-545Z | SL65-72BDJ-550Z |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Rated Power (Pmax) | 525W | 530W | 535W | 540W | 545W | 550W |
| Voltage at Pmax (Vmp) | 40.90V | 41.10V | 41.30V | 41.50V | 41.70V | 41.90V |
| Current at Pmax (Imp) | 12.85A | 12.91A | 12.96A | 13.02A | 13.07A | 13.13A |
| Warranted Minimum Pmax | 525W | 530W | 535W | 540W | 545W | 550W |
| Short-Circuit Current (Isc) | 13.59A | 13.65A | 13.71A | 13.77A | 13.83A | 13.89A |
| Open-Circuit Voltage (Voc) | 49.20V | 49.40V | 49.60V | 49.80V | 50.00V | 50.20V |
| 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 | 30A | | | | | |
| Maximum Reverse Current | 40.5A | | | | | |
| Power Tolerance | 0 ~ +5W | | | | | |

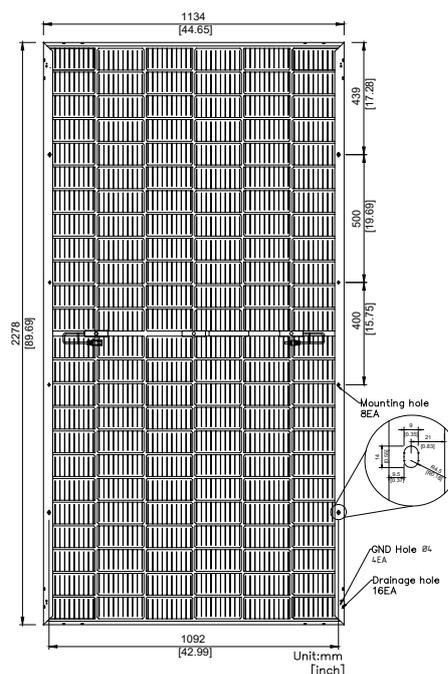
ELECTRICAL CHARACTERISTICS back side power gain(reference to 530W front)

*Bifaciality ≥70%

| | 525W | 530W | 535W | 540W | 545W | 550W |
|-----------------------------|--------|--------|--------|--------|--------|--------|
| Pmax | 557W | 583W | 610W | 636W | 663W | 663W |
| Voltage at Pmax (Vmp) | 41.1V | 41.1V | 41.1V | 41.2V | 41.2V | 41.2V |
| Current at Pmax (Imp) | 13.54A | 14.18A | 14.83A | 15.44A | 16.08A | 16.08A |
| Short-Circuit Current (Isc) | 14.33A | 15.02A | 15.70A | 16.38A | 17.06A | 17.06A |
| Open-Circuit Voltage (Voc) | 49.4V | 49.4V | 49.4V | 49.5V | 49.5V | 49.5V |
| Pmax gain | 5% | 10% | 15% | 20% | 25% | 25% |

MECHANICAL CHARACTERISTICS

| | |
|------------------------|--|
| Solar Cells | Monocrystalline Cells 182x91mm |
| Number of Cells | 72 Half Cells (6x24 Matrix) |
| Dimensions | 2,278 x 1,134 x 30mm |
| Front Load | 5,400Pa |
| Rear Load | 2,400Pa |
| Weight | 31.5kg |
| Glass | Dual glass, 2mm Tempered Glass |
| Frame | Anodized Aluminum Frame (Silver) |
| J-Box | ≥ IP67 with 3 bypass diodes |
| Output Cables | PV Wire, 12AWG (4mm ²), Cable Length : 350mm * cable length can be customized |
| Connectors | MC4 Compatible |

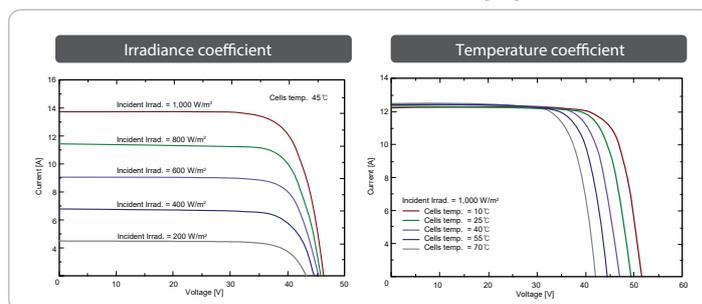


TEMPERATURE CHARACTERISTICS

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

PACKING CONFIGURATION

| | | |
|-----------------------|----------|-----------|
| Container | 20' | 40' |
| Modules Per Pallet | 36pcs | 36pcs |
| Pallets Per Container | 5pallets | 20pallets |
| Modules Per Container | 180pcs | 720pcs |



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