

# SL65-72BDJ

## 530~550W

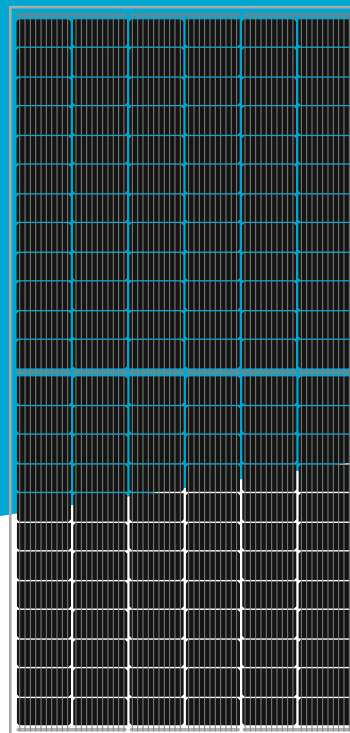
### BIFACIAL HALF-CUT Series

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

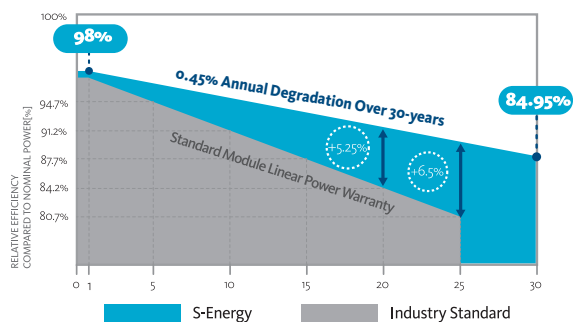
Enhanced External Load/Impact  
 Snow Load : 5,400 Pa  
 Wind Load : 2,400 Pa

Fire Safety  
 Class C (as per UL790)



### WARRANTY

**12** -YEARS PRODUCT WARRANTY  
**30** -YEARS LINEAR PERFORMANCE WARRANTY



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## ELECTRICAL CHARACTERISTICS

STC (Irradiance 1,000W/m <sup>2</sup> , module temperature 25°C, AM=1.5)	SL65-72BDJ-530R	SL65-72BDJ-535R	SL65-72BDJ-540R	SL65-72BDJ-545R	SL65-72BDJ-550R
Rated Power (Pmax)	530W	535W	540W	545W	550W
Voltage at Pmax (Vmp)	41.35V	41.50V	41.65V	41.80V	41.95V
Current at Pmax (Imp)	12.82A	12.90A	12.97A	13.04A	13.12A
Warranted Minimum Pmax	530W	535W	540W	545W	550W
Short-Circuit Current (Isc)	13.71A	13.78A	13.85A	13.92A	13.98A
Open-Circuit Voltage (Voc)	49.20V	49.35V	49.50V	49.65V	49.80V
Module Efficiency	20.53%	20.73%	20.92%	21.11%	21.31%
Operating Module Temperature	-40°C to +85°C				
Maximum System Voltage	1500V				
Maximum Fuse Rated Current	30A				
Maximum Reverse Current	40.5A				
Power Tolerance / Binning Tolerance	±3.0% / 0~5W				

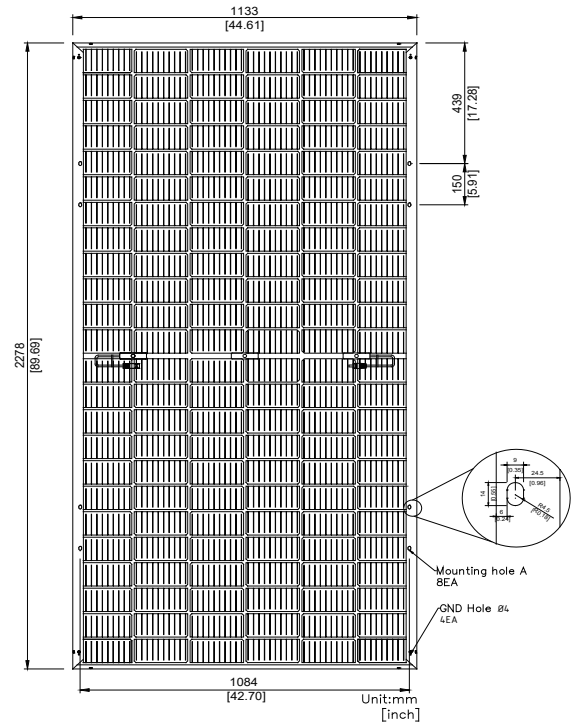
## ELECTRICAL CHARACTERISTICS back side power gain(reference to 540W front)

\*Bifaciality ≥70%

	567W	594W	621W	648W	675W
Pmax	567W	594W	621W	648W	675W
Voltage at Pmax (Vmp)	41.70V	41.70V	41.70V	41.80V	41.80V
Current at Pmax (Imp)	13.61A	14.26A	14.91A	15.52A	16.17A
Short-Circuit Current (Isc)	14.54A	15.24A	15.93A	16.62A	17.32A
Open-Circuit Voltage (Voc)	49.50V	49.50V	49.50V	49.60V	49.60V
Pmax gain	5%	10%	15%	20%	25%

## MECHANICAL CHARACTERISTICS

<b>Solar Cells</b>	Monocrystalline Cells 182x91mm
<b>Number of Cells</b>	72 Half Cells (6x24 Matrix)
<b>Dimensions</b>	2,278 x 1,133 x 30mm
<b>Front Load</b>	5,400Pa
<b>Rear Load</b>	2,400Pa
<b>Weight</b>	32.0kg
<b>Glass</b>	Dual glass, 2mm Tempered Glass
<b>Frame</b>	Anodized Aluminum Frame (Silver)
<b>J-Box</b>	<b>PV-ZPB040</b> (connector: PV-ZPJ030A) The 40th Institute of China Electronic Technology <b>Z8-abcd</b> (connectors: Z4S-abcd) Zerun Co.,Ltd <b>PV-XT1609Nxyz</b> (connectors: PV-XT101.1) Suzhou Xtong Photovoltaic Technologieso.,Ltd * ≥ IP68 with 3 bypass diodes
<b>Output Cables</b>	PV Wire, 12AWG (4mm <sup>2</sup> ), Cable Length : 300(+),200(-)mm * cable length can be customized

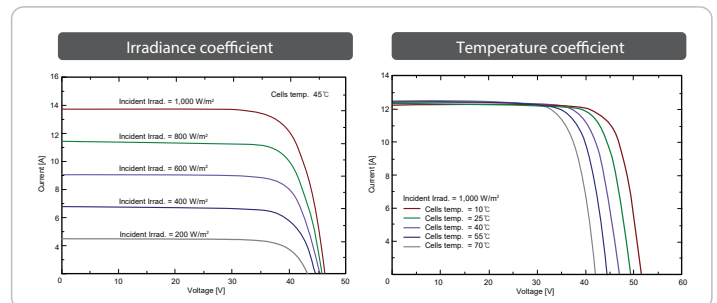


## TEMPERATURE CHARACTERISTICS

Temperature coefficient of Isc	0.048 % / °C
Temperature coefficient of Voc	-0.280 % / °C
Temperature coefficient of power	-0.350 % / °C
NMOT (Tair 20°C ; Irradiance 800W/m <sup>2</sup> ; Wind 1m/s)	45±2 °C

## PACKING CONFIGURATION

Container	20'	40'
Modules Per Pallet	35pcs	35pcs
Pallets Per Container	5pallets	18pallets
Modules Per Container	175pcs	630pcs



### REMARKS

- Pmax measurement tolerance : ±3.0%
- 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

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