

# SL85-66BDL

## 645~665W

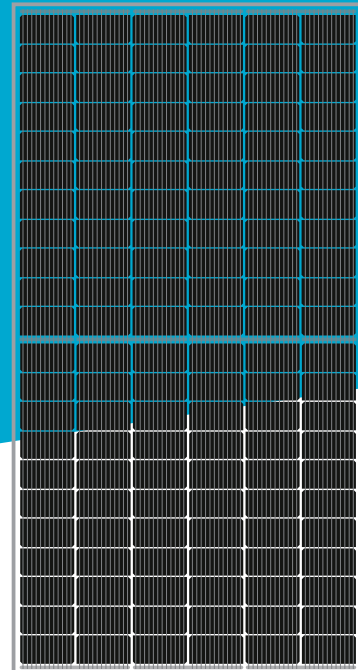
### BIFACIAL HALF-CUT Series

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

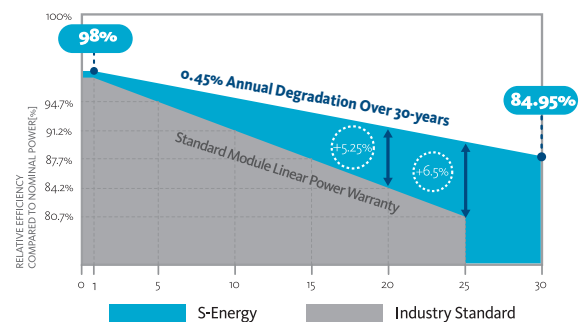
Class C (as per UL790)



### WARRANTY

12-YEARS PRODUCT WARRANTY

30-YEARS LINEAR PERFORMANCE WARRANTY



S-Energy Co., Ltd.

S-Energy America  
(SEAI America, Inc.)

S-Energy Chile  
(S-Energy Chile SpA)

S-Energy Japan\_Osaka Headquarters  
(S-Energy Japan Co., Ltd.)

S-Energy Japan\_Tokyo Branch  
(S-Energy Japan Co., Ltd.)

A 20 PanGyoYeok-Ro 241BeonGil, BunDang-Gu, SeongNam-Si, GyeongGi-Do, Korea (3F MiraeAsset Tower)  
 T +82-70-4339-7100 F +82-70-4339-7199 E inquiry@s-energy.com

A 1170 North Gilbert Street, Anaheim, CA 92801, U.S.A.  
 T +1-949-281-7897 F +1-949-281-7893 E sales.us@s-energy.com

A Av. Cerro El Plomo N°5420, Office 402, Las Condes, Santiago, Chile  
 T +56-22-604-8111 E sales.cl@s-energy.com

A 6F Hoshiwa City Building, 4-2-15 Kutaro-cho, Chuo-ku, Osaka, Japan  
 T +81-6-4703-5388 F +81-6-4703-5387 E sales\_jp@s-energy.com

A 6F Nishikicho BLDG., 1-8-11 Kandanishiki-cho, Chiyoda-ku, Tokyo, Japan  
 T +81-3-6261-3759 F +81-3-6261-3769 E sales\_jp@s-energy.com

Homepage



## ELECTRICAL CHARACTERISTICS

STC (Irradiance 1,000W/m <sup>2</sup> , module temperature 25°C, AM=1.5)	SL85-66BDL-645R	SL85-66BDL-650R	SL85-66BDL-655R	SL85-66BDL-660R	SL85-66BDL-665R
Rated Power (Pmax)	645W	650W	655W	660W	665W
Voltage at Pmax (Vmp)	37.26V	37.44V	37.62V	37.80V	37.98
Current at Pmax (Imp)	17.31A	17.36A	17.41A	17.46A	17.51A
Warranted Minimum Pmax	645W	650W	655W	660W	665W
Short-Circuit Current (Isc)	18.22A	18.27A	18.32A	18.37A	18.42A
Open-Circuit Voltage (Voc)	45.74V	45.94V	46.16V	46.36V	46.54V
Module Efficiency	20.79%	20.95%	21.11%	21.27%	21.43%
Operating Module Temperature	-40°C to +85°C				
Maximum System Voltage	1500V				
Maximum Fuse Rated Current	35A				
Maximum Reverse Current	47.25A				
Power Tolerance / Binning Tolerance	±3.0% / 0~5W				

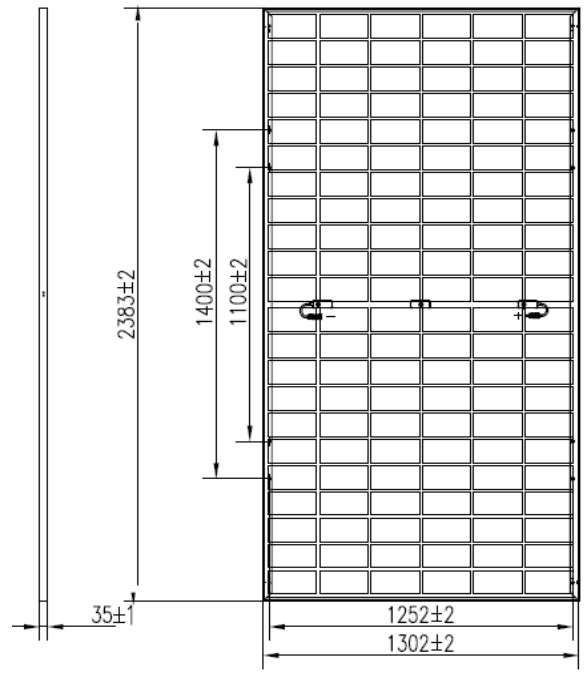
## ELECTRICAL CHARACTERISTICS back side power gain(reference to 660W front)

\*Bifaciality ≥70%

	645W	650W	655W	660W	665W
Pmax	693W	726W	759W	792W	825W
Voltage at Pmax (Vmp)	37.80V	37.80V	37.80V	37.90V	37.90V
Current at Pmax (Imp)	18.33A	18.16A	20.08A	20.90A	21.77A
Short-Circuit Current (Isc)	19.29A	19.04A	21.13A	22.04A	22.96A
Open-Circuit Voltage (Voc)	46.36V	49.82V	46.36V	46.46V	46.46V
Pmax gain	5%	10%	15%	20%	25%

## MECHANICAL CHARACTERISTICS

<b>Solar Cells</b>	Monocrystalline Bifacial Cells 210x105mm
<b>Number of Cells</b>	66Half Cells (6x22 Matrix)
<b>Dimensions</b>	2,383 x 1,302 x 35mm
<b>Front Load</b>	5,400Pa
<b>Rear Load</b>	2,400Pa
<b>Weight</b>	37.9kg
<b>Glass</b>	Ultra White AR coated semi-toughened glass 2.0mm
<b>Frame</b>	Anodized Aluminum Frame (Silver)
<b>J-Box</b>	<b>PV-ZPB040</b> (connector: PV-ZPJ030A) The 40th Institute of China ElectronicTechnology <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 : 300mm * cable length can be customized

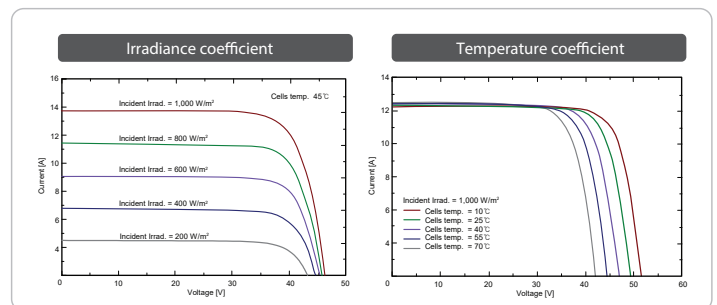


## TEMPERATURE CHARACTERISTICS

Temperature coefficient of Isc	0.040 % / °C
Temperature coefficient of Voc	-0.250 % / °C
Temperature coefficient of power	-0.340 % / °C
<b>NMOT</b> (Tair 20°C ; Irradiance 800W/m <sup>2</sup> ; Wind 1m/s)	45±2 °C

## PACKING CONFIGURATION

<b>Container</b>	20'	40'
<b>Modules Per Pallet</b>	31pcs	31pcs
<b>Pallets Per Container</b>	5pallets	18pallets
<b>Modules Per Container</b>	155pcs	558pcs



### 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

Factory address : No. 586, West Tongzipo Road, High-tech Development Zone Changsha City, Hunan Province, 410205, P.R. China / Made in China