

SL65-78TDP

605~625W

N Type TOP Con Series

1,500V Monocrystalline PV Module

CERTIFICATIONS

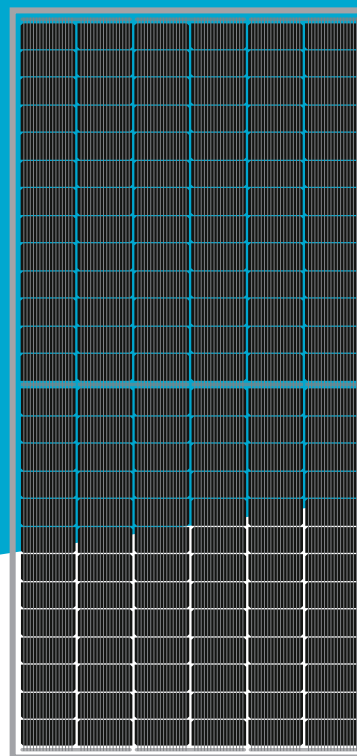
IEC 61215, 61730 / UL 61730

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 & N-Type TopCon 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

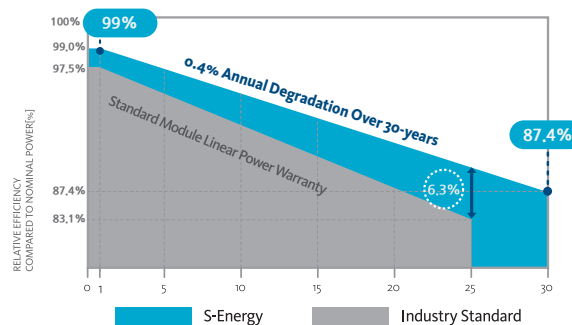
Class C (as per UL790)



WARRANTY

12-YEARS PRODUCT WARRANTY

30-YEARS LINEAR PERFORMANCE WARRANTY



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(S-Energy Chile SpA)

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Homepage



ELECTRICAL CHARACTERISTICS

STC (Irradiance 1,000W/m ² , module temperature 25°C, AM=1.5)	SL65-78TDP-605R	SL65-78TDP-610R	SL65-78TDP-615R	SL65-78TDP-620R	SL65-78TDP-625R
Rated Power (Pmax)	605W	610W	615W	620W	625W
Voltage at Pmax (Vmp)	45.80V	42.26V	42.48V	42.70V	42.91V
Current at Pmax (Imp)	13.22A	13.25A	13.30A	13.35A	13.40A
Warranted Minimum Pmax	605W	610W	615W	620W	625W
Short-Circuit Current (Isc)	13.97A	14.04A	14.10A	14.17A	14.25A
Open-Circuit Voltage (Voc)	54.80V	54.90V	55.10V	55.20V	55.30V
Module Efficiency	21.66%	21.84%	22.02%	22.20%	22.38%
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% / 0~5%				

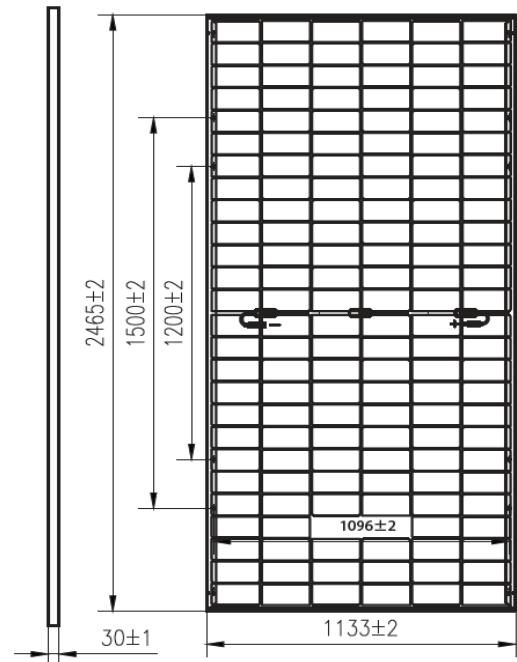
ELECTRICAL CHARACTERISTICS back side power gain(reference to 620W front)

*Bifaciality ≥70%

	651W	682W	713W	744W	775W
Pmax	651W	682W	713W	744W	775W
Voltage at Pmax (Vmp)	46.20V	46.20V	46.20V	46.30V	46.30V
Current at Pmax (Imp)	14.09A	14.76A	15.43A	16.07A	16.74A
Short-Circuit Current (Isc)	14.88A	15.59A	16.30A	17.00A	17.71A
Open-Circuit Voltage (Voc)	55.20V	55.20V	55.20V	55.30V	55.30V
Pmax gain	5%	10%	15%	20%	25%

MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline Cells 182x91mm
Number of Cells	78Half Cells (6x26 Matrix)
Dimensions	2,465 x 1,133 x 30mm
Front Load	5,400Pa
Rear Load	2,400Pa
Weight	34.5kg
Glass	Dual glass, 2mm Tempered Glass
Frame	Anodized Aluminum Frame (Silver)
J-Box	PV-ZPB040 (connector: PV-ZPJ030A) The 40th Institute of China Electronic Technology Z8-abcd (connectors: Z4S-abcd) Zerun Co.,Ltd PV-XT1609Nxyz (connectors: PV-XT101.1) Suzhou Xtong Photovoltaic Technologieso.,Ltd * ≥ IP68 with 3 bypass diodes
Output Cables	PV Wire, 12AWG (4mm ²), Cable Length : 300(+),200(-)mm * cable length can be customized

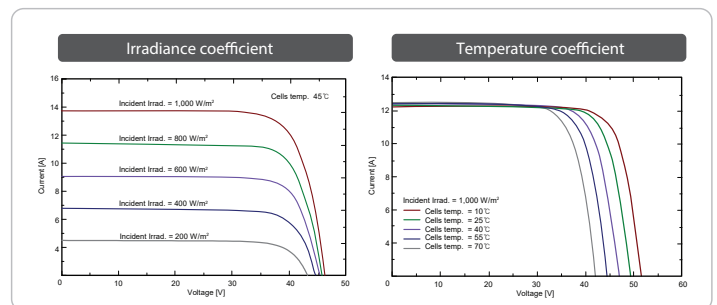


TEMPERATURE CHARACTERISTICS

Temperature coefficient of Isc	0.045 % / °C
Temperature coefficient of Voc	-0.250 % / °C
Temperature coefficient of power	-0.300 % / °C
NMOT (Tair 20°C ; Irradiance 800W/m ² ; Wind 1m/s)	42±2 °C

PACKING CONFIGURATION

Container	20'	40'
Modules Per Pallet	36pcs	36pcs
Pallets Per Container	5pallets	16pallets
Modules Per Container	180pcs	576pcs



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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