

SL45-60_{BDI}

365~380W

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

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

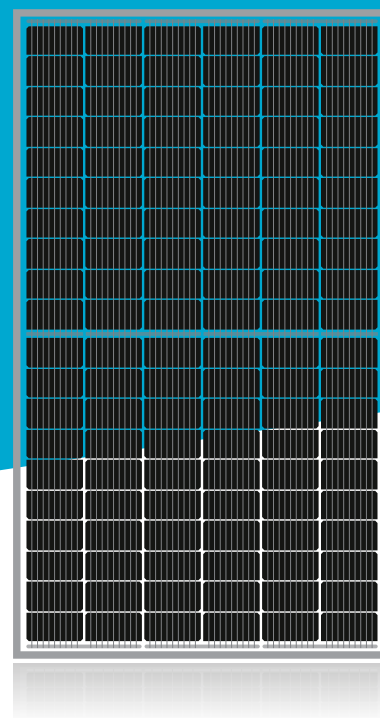
Enhanced Potential Induced Degradation
Resistance



Fire Safety

Spread of Flame Class A
Burning Brand Class C

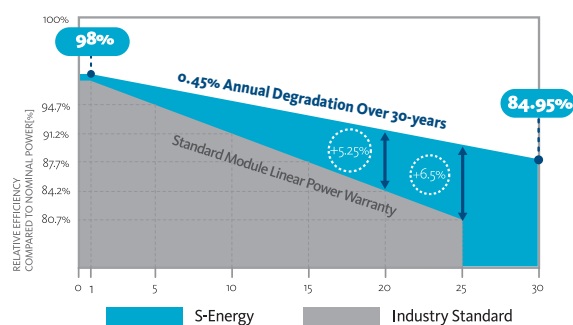
Silver



WARRANTY

12 -YEARS PRODUCT WARRANTY

30 -YEARS LINEAR PERFORMANCE WARRANTY



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ELECTRICAL CHARACTERISTICS

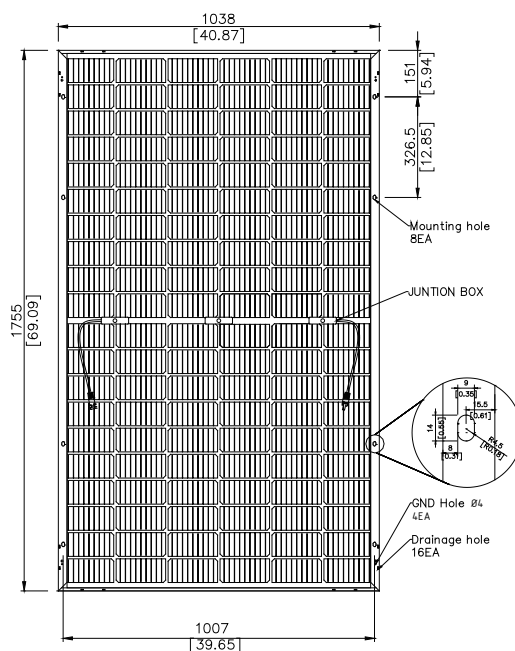
STC (Irradiance 1,000W/m², module temperature 25℃, AM=1.5)	SL45-60BDI-365Z		SL45-60BDI-370Z		SL45-60BDI-375Z		SL45-60BDI-380Z	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Rated Power (Pmax)	365W	272.1W	370W	275.8W	375W	279.6W	380W	283.3W
Voltage at Pmax (Vmp)	34.0V	31.7V	34.2V	31.9V	34.4V	32.1V	34.6V	32.3V
Current at Pmax (Imp)	10.74A	8.58A	10.82A	8.64A	10.91A	8.71A	10.99A	8.77A
Warranted Minimum Pmax	365W	272.1W	370W	275.8W	375W	279.6W	380W	283.3W
Short-Circuit Current (Isc)	11.27A	9.10A	11.34A	9.16A	11.43A	9.23A	11.51A	9.30A
Open-Circuit Voltage (Voc)	40.8V	38.0V	41.0V	38.2V	41.2V	38.4V	41.4V	38.6V
Module Efficiency	20.04%		20.31%		20.59%		20.86%	
Operating Module Temperature	-40℃ to + 85℃							
Maximum System Voltage	1500V							
Maximum Fuse Rated Current	25A							
Maximum Reverse Current	33.75A							
Power Tolerance	0 ~ +5W							

ELECTRICAL CHARACTERISTICS

Electrical Characteristics					Efficiency 270%
Pmax	394W	413W	431W	450W	469W
Voltage at Pmax (Vmp)	34.4V	34.4V	34.4V	34.5V	34.5V
Current at Pmax (Imp)	11.45A	11.99A	12.54A	13.04A	13.59A
Short-Circuit Current (Isc)	12.00A	12.57A	13.14A	13.72A	14.29A
Open-Circuit Voltage (Voc)	41.2V	41.2V	41.2V	41.3V	41.3V
Pmax gain	5%	10%	15%	20%	25%

MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline Cells 166x83mm
Number of Cells	60 Half Cells (6x20 Matrix)
Dimensions	1,755 x 1,038 x 30mm
Front Load	5,400Pa
Rear Load	2,400Pa
Weight	22.5kg
Glass	Dual glass, 2mm Tempered Glass
Frame	Anodized Aluminum Frame (Silver)
J-Box	≥ IP67 with 3 bypass diodes
Output Cables	PV Wire, 12AWG (4mm²), Cable Length : 350mm * cable length can be customized
Connectors	MC4 Compatible

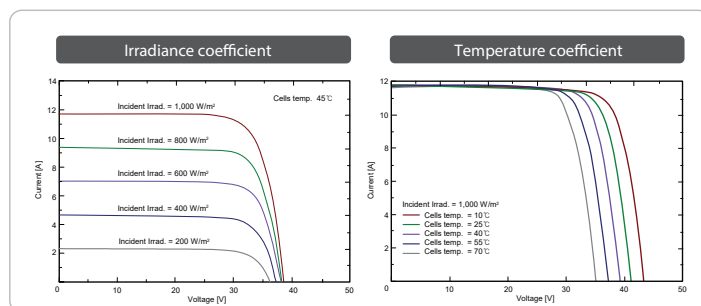


TEMPERATURE CHARACTERISTICS

Temperature coefficient of Isc	0.050 % / °C
Temperature coefficient of Voc	-0.290 % / °C
Temperature coefficient of power	-0.360 % / °C
NMOT (Tair 20°C ; Irradiance 800W/m2 ; Wind 1m/s)	44±3 °C

PACKING CONFIGURATION

Container	20'	40'
Modules Per Pallet	36pcs	36pcs
Pallets Per Container	6pallets	26pallets
Modules Per Container	216pcs	936pcs



REMARKS

- Pmax measurement tolerance : $\pm 2.5\%$
- 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