

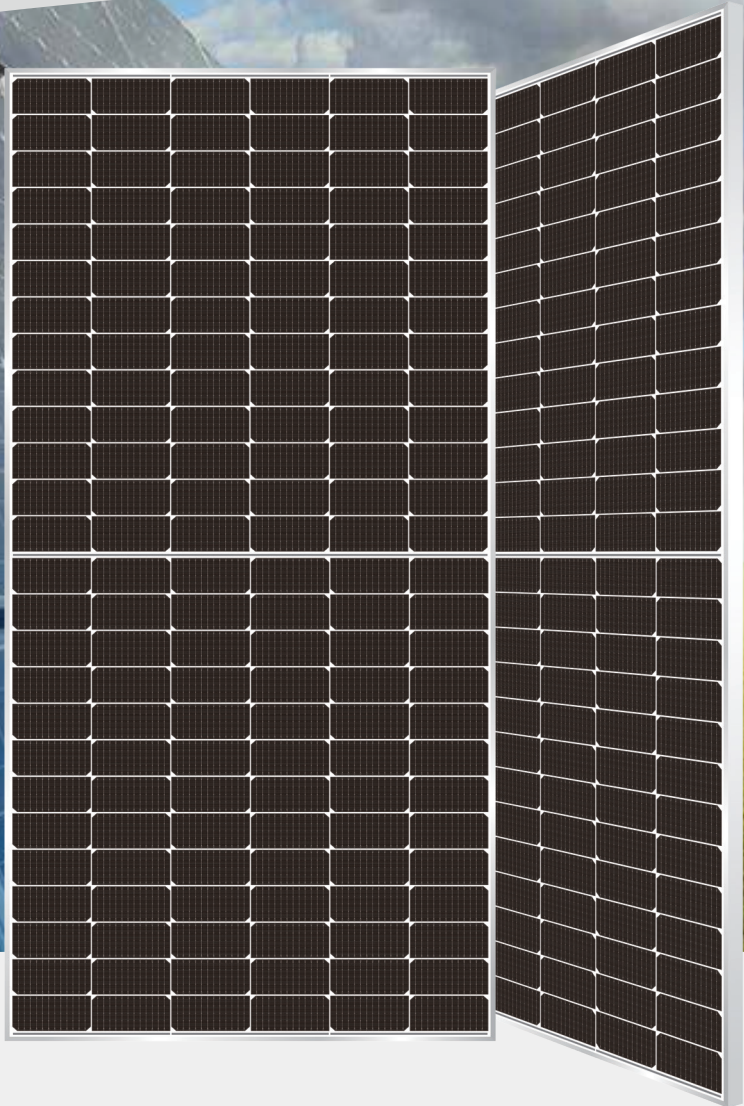


Solenso

SOLENSO

NRJ-W156SS Series

500W 505W 510W 515W 520W
156-cell Bifacial Hjt Half Cell Solar Module



HJT

Heterojunction
Technology

M6

166mm Cell

M
SMBB

SMBB Half-Cut
Cell Technology



Up to 85% Bifaciality



Reliable · Durable
· Sustainable

WARRANTY

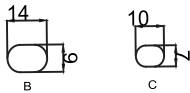
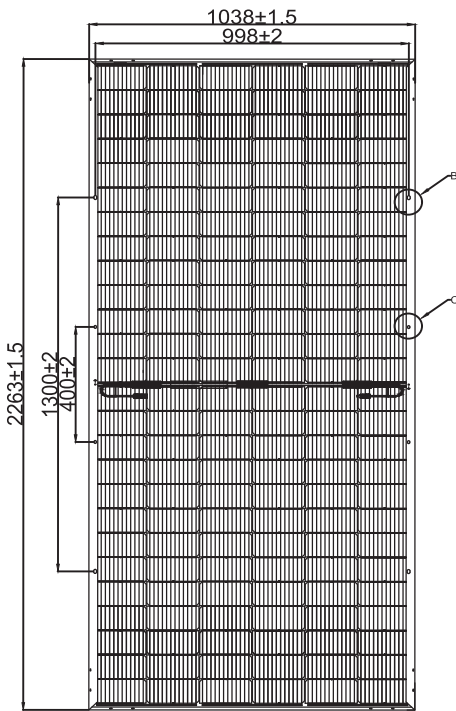
Product
Warranty **15**
years

Linear
Power
Warranty **30**
years



The Specification and key features described in this datasheet may deviate slightly and are not guaranteed. Solenso reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties all transactions related to the purchase and sale of the products described herein.

Engineering Drawings



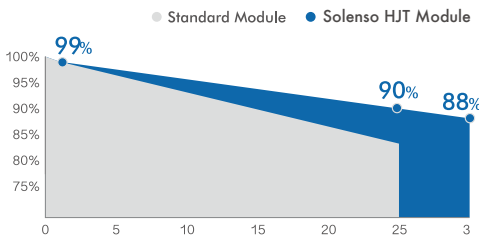
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 °C (±2 °C)
Temperature Coefficient of Pmax	-0.26 %/°C
Temperature Coefficient of Voc	-0.24 %/°C
Temperature Coefficient of Isc	0.04 %/°C

Safety & Warranty

Safety Class	Class II
Fire Rating	Class A
Product Warranty	15 Yrs Workmanship
Performance Warranty	30 Yrs Linear Warranty*

* 1st year 99%, after 2nd year 0.375% annual degradation to year 30.



* Refer to Solenso Standard warranty for details.

Electrical Characteristics (STC*)

Model	NRJ-W156SS 500	NRJ-W156SS 505	NRJ-W156SS 510	NRJ-W156SS 515	NRJ-W156SS 520
Maximum Power (Pmax)	500W	505W	510W	515W	520W
Module Efficiency(%)	21.3%	21.5%	21.7%	21.9%	22.1%
Optimum Operating Voltage (Vmp)	48.36V	48.61V	48.95V	49.24V	49.53V
Optimum Operating Current (Imp)	10.34A	10.39A	10.42A	10.46A	10.50A
Open Circuit Voltage (Voc)	58.01V	58.04V	58.15V	58.19V	58.21V
Short Circuit Current (Isc)	10.67A	10.70A	10.71A	10.73A	10.76A
Operating Module Temperature	-40 to +85 °C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	20A				
Power Tolerance	0~+5W				
Bifaciality	80%±5%				

*STC: Irradiance 1000 W/m², cell temperature 25°C, AM=1.5;Tolerance of Pmax is within +/-3%.

BSTC**

Model	550W	555W	560W	565W	570W
Maximum Power (Pmax)	550W	555W	560W	565W	570W
Optimum Operating Voltage (Vmp)	48.46V	48.69V	49.00V	49.26V	49.53V
Optimum Operating Current (Imp)	11.35A	11.40A	11.43A	11.47A	11.51A
Open Circuit Voltage (Voc)	58.27V	58.28V	58.30V	58.33V	58.38V
Short Circuit Current (Isc)	11.68A	11.71A	11.72A	11.74A	11.76A

**BSTC : Front side irradiation 1000W/m², back side reflection irradiation 135W/m², spectrum AM1.5, ambient temperature 25°C.

Mechanical Characteristics

Cell Type	HJT Mono 166 x 83 mm
Cell Connection	156 (78x2)
Module Dimension	2263 x 1038 x30 mm
Weight	29.5 kg
Junction Box	IP67/IP68
Output Cable	4mm ² , 200mm in length, length can be customized/ UV Resistant
Connectors Type	MC4 Compatible
Frame	Anodised Aluminum Alloy
Encapsulant	POE
Front Load	5400 Pa
Rear Load	2400 pa
Glass	(F) 2.0mm Anti-reflective surface Solar glass (B) 2.0mm white ceramic patterned PV glass

Shipping Configurations

	HC	GP
container length	40'	20'
pallets per container	20	4
modules per pallet (pcs)	36	36
modules per container (pcs)	720	144

