

SN 60-Cell Polycrystalline PV Module

SN250P-10 / SN255P-10 / SN260P-10 / SN265P-10



250 ~ 265 Watt

Continuously manufacturing PV modules since 1991, S-Energy is one of the most experienced module makers in the industry. More than 20 years of operating data support S-Energy's reputation as the best overall quality, performance, and value for solar investors. The cutting-edge SN-series leads the industry again in advanced design, construction, and performance. The SN-series is the ideal module for any system size in any given environment. With the quality to last the lifetime of the PV system, S-Energy's SN-series provides the confidence and assurance to each and every one of our customers.

Features



ENHANCED EXTERNAL LOAD / IMPACT

Snow Load : 5,400 Pa (30T) / 8,400 Pa (40T)
 Wind Load : 2,400 Pa (30T) / 5,400 Pa (40T)
 Hail Impact : 30.7 m/s (speed ball)



ENVIRONMENT RESISTANCE

Suitable for extreme conditions
 Resistant to high salt mist and ammonia
 (certified by TÜV Rheinland)



POWER ADVANTAGE

25-year, linear power warranty
 > 97.5% nominal power during 1st year
 Positive tolerance up to +5W



PID RESISTANCE

Enhanced potential induced degradation



FIRE SAFETY

UL1703 Fire Classification : Type 1, Type 2



AVAILABLE IN TWO THICKNESSES

Standard (30T) and 40T for more durability



Qualifications & Certifications

IEC 61215 & 61730, UL1703
 ISO 9001, ISO 14001, OHSAS 18001



Mechanical Characteristics

Solar Cells	Polycrystalline 156mm x 156mm (6 inches)
Number of Cells	60 Cells, 6 x 10 matrix
Dimensions	1650 x 990 x 30 mm (30T) / 1650 x 990 x 40 mm (40T)
Weight	17 kg (37.48 lbs) / 17.5kg (38.58 lbs)
Front Glass	High-Transmittance Low Iron Tempered Glass
Frame	Anodized Aluminum Frame
Output Cables	PV Wire (PV1-F), 12AWG (4mm ²), Cable Length : 1000mm
Connectors	MC4 Connectable

Warranty

Product Warranty	10-year Limited Product Warranty
Performance Warranty	Minimum Power Output for Year 1 : 97.5%
	Maximum Power Decline from Year 2 to 24 : 0.7%
	Power Output at year 25 : 80.7%

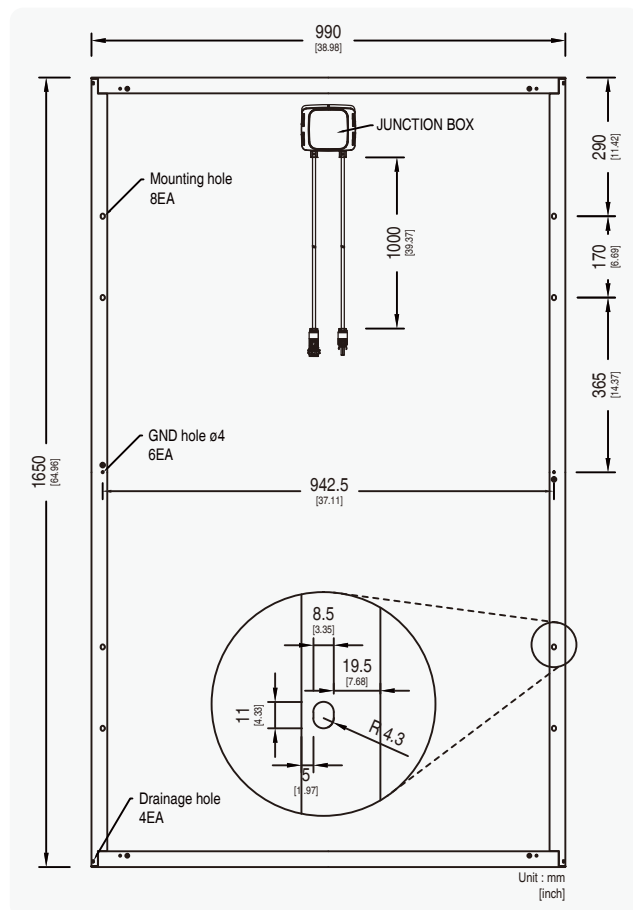
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Electrical Characteristics

STC (Irradiance 1000W/m ² , module temperature 25°C, AM=1.5)	SN250P-10	SN255P-10	SN260P-10	SN265P-10
Rated Power (P _{max})	250W	255W	260W	265W
Voltage at P _{max} (V _{mp})	29.7V	30.0V	30.2V	30.7V
Current at P _{max} (I _{mp})	8.42A	8.50A	8.60A	8.64A
Warranted Minimum P _{max}	250W	255W	260W	265W
Short-Circuit Current (I _{sc})	8.86A	8.93A	8.98A	9.24A
Open-Circuit Voltage (V _{oc})	37.3V	37.6V	38.0V	38.1V
Module Efficiency	15.30%	15.61%	15.92%	16.22%
Operating Module Temperature	-40°C to +85°C			
Maximum System Voltage	1000V _{DC} (UL)			
Maximum Series Fuse Rating	15A			
Maximum Reverse Current	20.25A			
Power Tolerance	0 ~ +5 W			

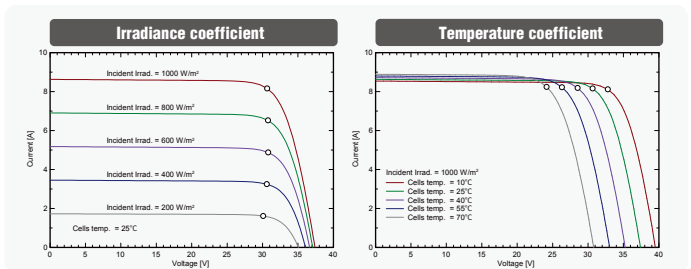


Temperature Characteristics

Temperature Coefficient of I _{sc}	0.056 / °C
Temperature Coefficient of V _{oc}	-0.301 / °C
Temperature Coefficient of Power	-0.398 / °C
NOCT (T _{air} 20°C ; Irradiance 800W/m ² ; Wind 1m/s)	45±2 °C

Packing Configuration

	30T	40T
Container	40' DRY	40' H/C
Modules Per Pallet	25 pcs	25 pcs
Pallets Per Container	26 pallets	26 pallets
Modules Per Container	650 pcs	650 pcs



Remarks :

P_{max} measurement tolerance : ±2.5%
 S-Energy uses triple AAA class simulator.
 Specification subject to change without prior notice. S-Energy reserves the rights of final interpretation.
 Document : SE-Datasheet_SN 60-Cell_3BB_2015_US_V03

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