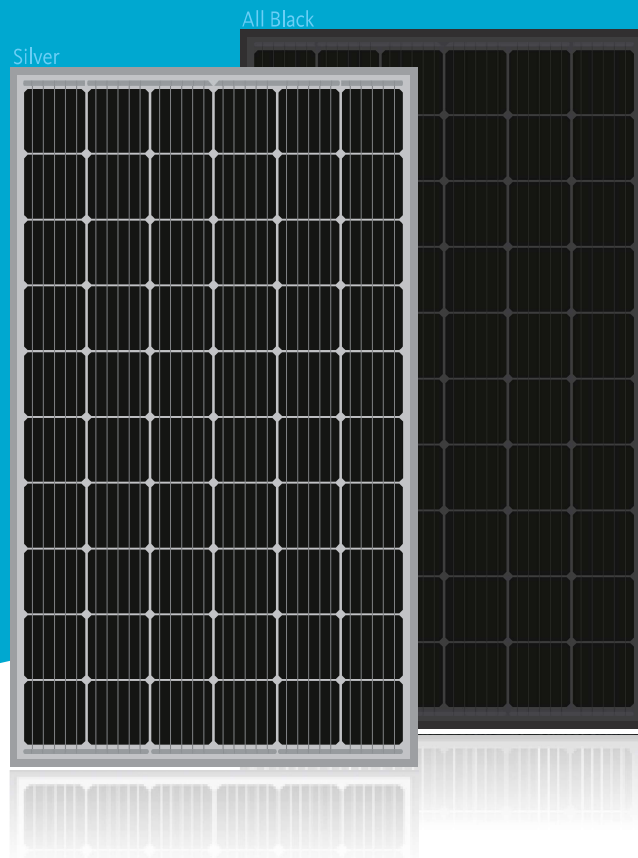


SN 60-Cell 300 ~ 320W

T - Edition

1,000V / 1,500V Monocrystalline PV Module



QUALIFICATIONS & CERTIFICATIONS

IEC 61215 & 61730, UL 1703, ISO 9001,
ISO 14001, ISO 45001



FEATURES



Enhanced External Load/Impact

Snow Load : 5,400 Pa
Wind Load : 2,400 Pa
Hail Impact : 25m/s (speed ball)



Fire Safety

Safety Class II



Various Options Available

Black or Silver Frame
1000V or 1500V System Voltage
All Black Module



PID Resistance

Enhanced Potential Induced Degradation Resistance

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Homepage



T • N • M • S

ELECTRICAL CHARACTERISTICS

STC (Irradiance 1,000W/m ² , module temperature 25°C, AM=1.5)	SN300M-10T/15T	SN305M-10T/15T	SN310M-10T/15T	SN315M-10T/15T	SN320M-10T/15T
Rated Power (P _{max})	300W	305W	310W	315W	320W
Voltage at P _{max} (V _{mp})	32,9V	33,2V	33,5V	33,9V	34,3V
Current at P _{max} (I _{mp})	9,12A	9,20A	9,26A	9,30A	9,34A
Warranted Minimum P _{max}	300W	305W	310W	315W	320W
Short-Circuit Current (I _{sc})	9,58A	9,64A	9,69A	9,75A	9,81A
Open-Circuit Voltage (V _{oc})	39,7V	39,9V	40,1V	40,3V	40,5V
Module Efficiency *	18,33%	18,63%	18,94%	19,24%	19,55%
Operating Module Temperature	-40°C to + 85°C				
Maximum System Voltage	1,000V/ 1,500V (DC)				
Maximum Series Fuse Rating	20A				
Power Tolerance	0 ~ +3%				

MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline 156,75 x 156,75mm (6 inches)
Number of Cells	60 Cells (6x10 Matrix)
Dimensions	1,650 x 992 x 35mm
Weight	18,5kg
Front Glass	High-Transmittance Low Iron Tempered Glass
Frame	Anodized Aluminum Frame (Silver / Black)
Output Cables	PV Wire (PV1-F, 12AWG (4mm ²), Cable Length : 900mm
Connectors	MC4 Connectable

TEMPERATURE CHARACTERISTICS

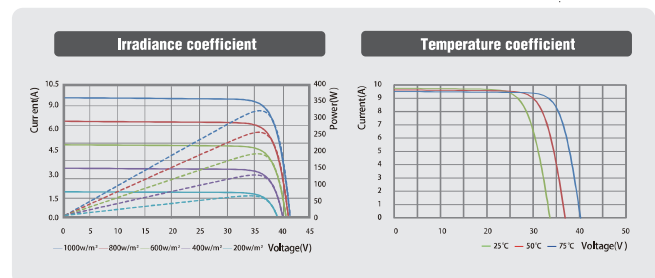
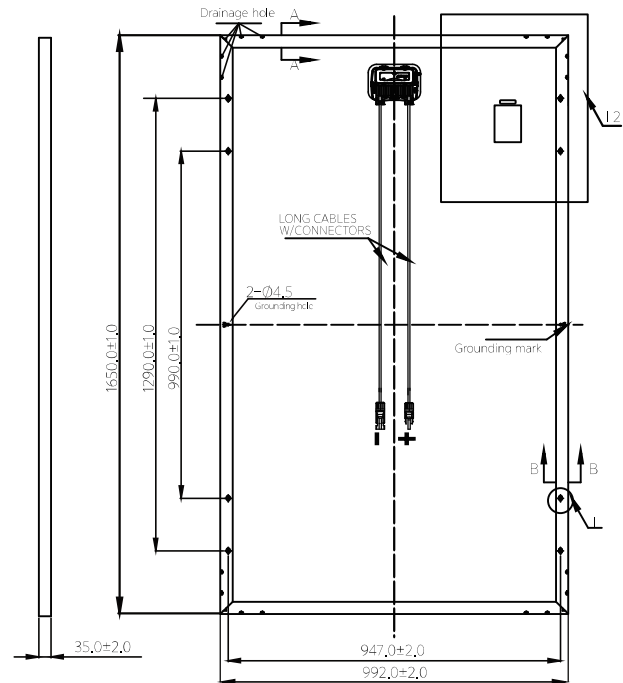
Temperature coefficient of I _{sc}	0,05 % / °C
Temperature coefficient of V _{oc}	-0,30 % / °C
Temperature coefficient of power	-0,39 % / °C
NMOT(Tair 20°C ; Irradiance 800W/m ² ; Wind 1m/s)	43±2 °C

WARRANTY

Product Warranty	10-year Limited Product Warranty
Performance Warranty	Minimum Power Output for Year 1 : 97% Maximum Power Decline from Year 2 to 24 : 0,71% Power Output in Year 25 : 80%

PACKING CONFIGURATION

Container	40' H/C
Modules Per Pallet	30pcs
Pallets Per Container	28pallets
Modules Per Container	840pcs



REMARKS

- P_{max} measurement tolerance : ±2,5%
- S-Energy uses tripleA class simulator.
- Specification subject to change without prior notice.
- S-Energy reserves the rights of final interpretation.