



STxxxG12HNHB-132

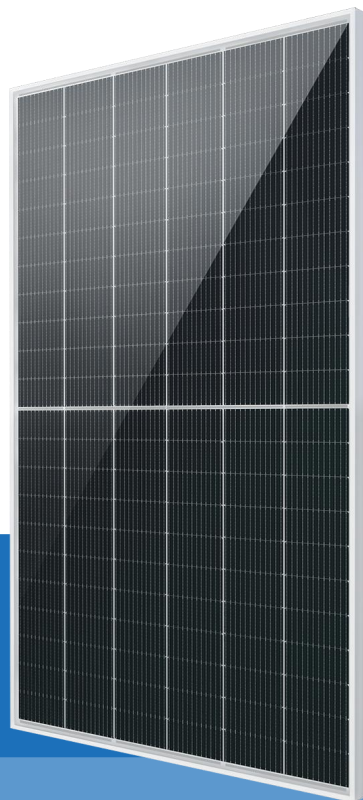
0~+5W

700~720W

HJT Mono-crystalline Bifacial Module

23.2%

High Module Conversion Efficiency



Key Features



Outstanding performance in weak-light conditions



Lower operating temperature



Half-cell and MBB design



Extended wind and snow load tests

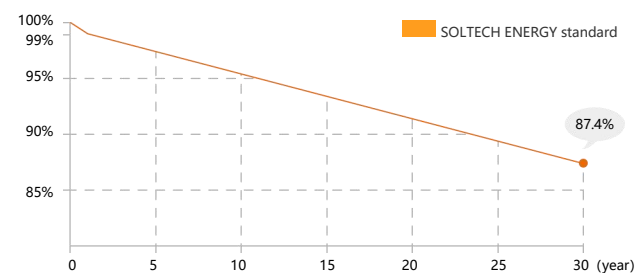


Withstanding harsh environment



Use scenario customization

Quality Certification



Materials and workmanship warranty



Linear performance warranty

First year power degradation < 1%
Annual degradation < 0.4%

Product Guarantee

ISO 9001:2015 Quality management systems
ISO 14001:2015 Environment management systems
ISO 45001:2018 Occupational health and safety management systems
IEC 61215/IEC 61730/IEC 61701/IEC 62716
TUV/CE/CQC/MCS/BIS/SASO/SGS/INMETRO



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700~720W

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Electrical Characteristics

Module Type		ST700G12HNHB-132		ST705G12HNHB-132		ST10G12HNHB-132		ST715G12HNHB-132		ST720G12HNHB-132	
Working Conditions		STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power at STC/NMOT(Pmax)	W	700	534.30	705	538.1	710	541.9	715	545.8	720	549.6
Optimum Operating Voltage(Vmp)	V	41.78	39.90	41.87	39.99	41.96	40.07	42.05	40.16	42.14	40.24
Optimum Operating Current (Imp)	A	16.76	13.4	16.84	13.46	16.93	13.52	17.02	13.59	17.10	13.66
Open Circuit Voltage(Voc)±3%	V	49.77	47.50	49.87	47.60	49.97	47.69	50.07	47.79	50.17	47.88
Short Circuit Current(Isc)±3%	A	17.81	14.23	17.90	14.30	17.99	14.38	18.08	14.45	18.17	14.52
Module Efficiency	%	22.5		22.7		22.9		23.0		23.2	
Maximum System Voltage	V	1500 (DC)									
Maximum Series Fuse Rating	A	35									
Operating Module Temperature	°C	-40~ +85									

STC: Irradiance 1000W/m², cell temperature 25°C, atmospheric quality AM1.5
NMOT: Irradiance 800W/m², ambient temperature 20°C, AM1.5, wind speed 1m/s

Mechanical Characteristics

Solar Cell (No.of cells)	N-Mono 210x105 132 PCS
Dimensions	2384x1303x33mm
Weight	36.2 kg(±3%)
Glass	2.0+2.0mm Low-iron tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 rated 3 bypass-diodes
Output Cables	4mm²/2x300mm or Customized length
Mechanical Load	5400Pa/2400Pa
Safety Rate	Class II (IEC)

Temperature Characteristics

Temperature Coefficient of Pmax	%/°C	-0.25
Temperature Coefficient of Voc	%/°C	-0.22
Temperature Coefficient of Isc	%/°C	+0.04
Nominal Module Operating Temperature	°C	44±2

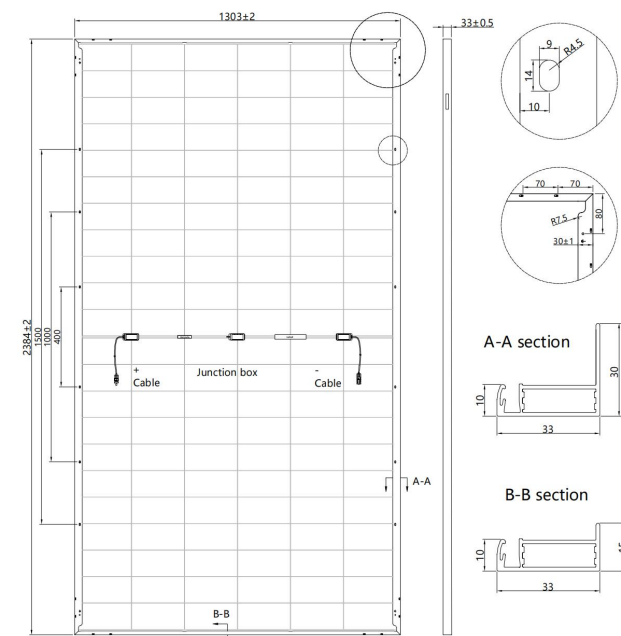
Different Backside Power Gain(700W)

Power Gain		5%	15%	25%
Maximum Power Pmp	W	735.0	805.0	875.0
Optimum Operating Voltage(Voc)	V	41.78	41.78	41.78
Optimum Operating Current(Imp)	A	17.59	19.27	20.94
Open Circuit Voltage (Voc)	V	49.77	49.77	49.77
Short Circuit Current(Imp)	A	18.69	20.47	22.25

Packing Configuration

Container 40'HQ	33PCS/pallet	18pallet/40'HQ	594PCS/40'HQ
17.5m Land Truck	33PCS/pallet	24pallet/truck	792PCS/truck

Assembly Drawing (mm)



I-V Curves(700W)

