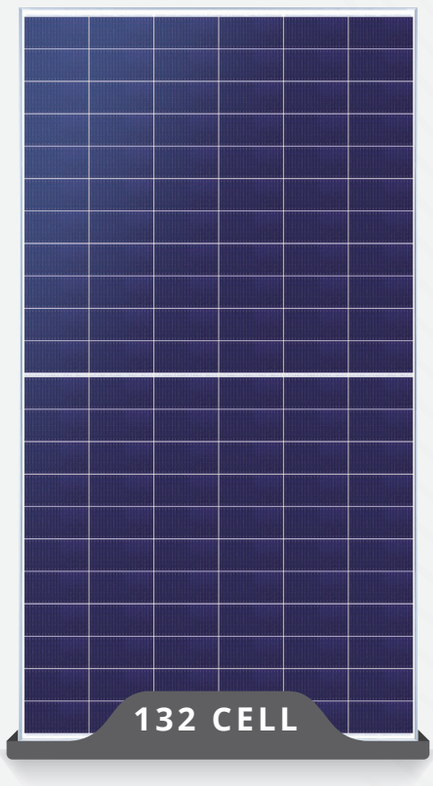
Smart SOLAR

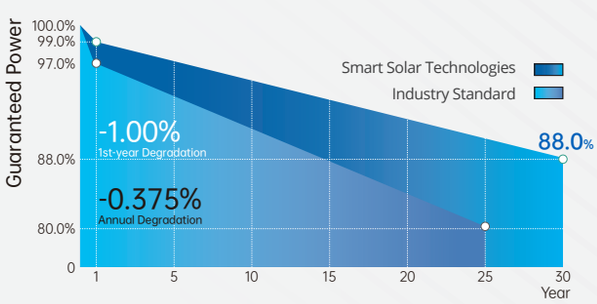


675-695W
HJT

Prime Module Series
N-HJT Mono 20BB

15 Year Product Warranty

30 Year Linear Performance Warranty



Excellent Power Generation Performance •

210mm wafer with SMBB cell technology

Over 85% bifaciality and up to 30% additional power generation

Competitive high-temperature performance with ameliorated temperature coefficient (-0.26%/℃)

Better weak illumination response of HJT technology leads higher power generation

Consistent Reliability •

Zero Light Induced Degradation

Industry-leading cell technology of TCO thin film contributes to excellent anti-PID characteristic

Shorter Payback Time •

Lower BoS cost ensure a better LCOE

More Environmentally Friendly •

Low temperature welding technology & shorter manufacturing process contributes to lower carbon emissions

TÜV SÜD · PV CYCLE · CE · c UL us LISTED

smartgunesteknolojileri
www.smartsolar.com.tr

Smart Green Technologies, Inc.
2513 Shallowford Rd., Bldg 200 Suite 200 Marietta, GA, 3006 - USA

Smart Solar Technologies
Beykoz Ruzgarlibahce, Feragat Street No:2 Floor:7 İstanbul - TÜRKİYE

Smart Solar Technologies GmbH
Lerchenweg 3, 40789 Monheim am Rhein - GERMANY

Smart SOLAR TECHNOLOGIES

ELECTRICAL TYPICAL VALUES

Model	SS675M13GFH-22/WSH		SS680M13GFH-22/WSH		SS685M13GFH-22/WSH		SS690M13GFH-22/WSH		SS695M13GFH-22/WSH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Powet (Pmpp)	675	513	680	517	685	521	690	525	695	529
Rated Current (Impp)	16.33	13.16	16.39	13.21	16.45	13.26	16.51	13.31	16.57	13.36
Rated Voltage (Vmpp)	41.34	39.00	41.49	39.14	41.65	39.29	41.80	39.43	41.95	39.57
Short Circuit Current (Isc)	17.13	13.81	17.19	13.86	17.25	13.90	17.31	13.95	17.37	14.00
Open Circuit Voltage (Voc)	49.34	47.09	49.50	47.24	49.66	47.40	49.82	47.55	49.98	47.70
Module Efficiency (%)	21.73		21.89		22.05		22.21		22.37	

Standart Test Conditions (STC): Irradiance 1000W/m2, AM 1.5, Cell Temperatue 25°C
Nominal Operation Cell Temperature (NOCT): Irradiance 800W/m2, Ambient Temperatur 20°C, Spectra at AM1.5, Wind 1m/s

BSTC

Maximum Power (Pmax)	745	750	755	760	765
Optimum Operating Current (Impp)	18.03	18.08	18.13	18.19	18.24
Optimum Operating Voltage (Vmpp)	41.34	41.49	41.65	41.80	41.95
Short Circuit Current (Isc)	18.91	18.96	19.01	19.07	19.12
Open Circuit Voltage (Voc)	49.34	49.50	49.66	49.82	49.98

BSTC: Front Side Irradiation 1000W7m□Back Side Reflection Irradiaton 135W/m□AM1.5, Ambient Temperatur 25˚C

TEMPERATURE RATINGS

Tolerance	0~+3w
NOCT	44±2°C
Voltage Temperature Coefficient	-0.24%/°C
Current Temperature Coefficient	+0.04%/°C
Power Temperature Coefficient	-0.26%/°C
Bifaciality	85±5%

PACKAGING CONFIGURATION

Container	40' HQ	Pcs/Pallet	31
Pieces/Container	558	Pallet/Container	18

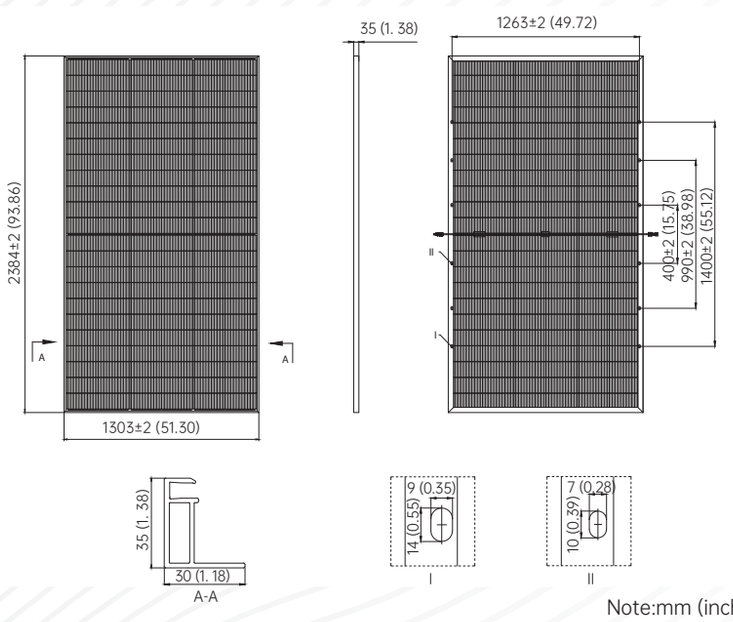
ABSOLUTE MAX RATING

Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maksimum Series Fuse Rating	30A
PV Module Classification	II
Fire Rating (IEC61730)	C
Maksimum System Voltage	DC 1500V

MECHANICAL CHARACTERISTICS

Dimension (L × W × H)	Length: 2384mm (93.86 inch) Width: 1303mm (51.30 inch) Height: 35mm (1.38 inch)
Weight	38.7kg (85.32 lbs)
Cell Type	HJT Monocrystalline
Front Glass	2.0mm/2.0mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm² (IEC), (+): 450mm,(-): 250mm or Customized Length *The requested cable length must be specified before the offer.
Junction Box	IP 68 Rated

ELECTRICAL CHARACTERISTIC



Note:mm (inch)