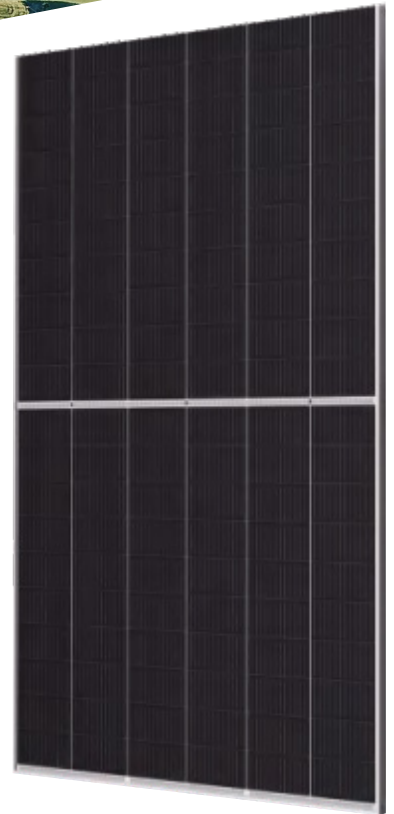


690-710W Mono

120 Half-Cell Layout BIFACIAL DG

G12/210mm N-TYPE Cell



N-TYPE TOP CON Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance



Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

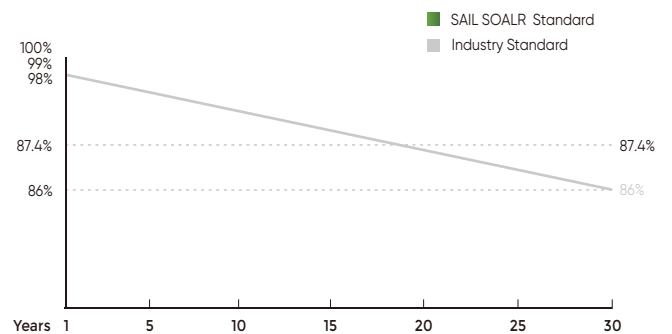
- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests



30
years
POWER WARRANTY

15
years
PRODUCT WARRANTY

Linear Performance Warranty



SAIL SOLAR Mono I 690-710W BIFACIAL DG

ELECTRICAL PARAMETERS

POWER CLASS	SAS690N-132G12	SAS695N-132G12	SAS700N-132G12	SAS705N-132G12	SAS710N-132G12
	STC	STC	STC	STC	STC
Maximum power (Pmax)	690W	695W	700W	705W	710W
Open Circuit Voltage (Voc)	47.95V	48.15V	48.34V	48.54V	48.73V
Short Circuit Current (Isc)	18.29A	18.34A	18.39A	18.44A	18.49A
Voltage at Maximum power (Vmpp)	39.84V	40.03V	40.23V	40.42V	40.62V
Current Maximum Power (Impp)	17.32A	17.36A	17.40A	17.44A	17.48A
MODULE EFFICIENCY (%)	22.21%	22.37%	22.53%	22.70%	22.86%

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

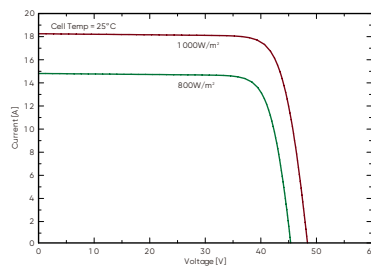
BIFACIAL OUTPUT -REAR SIDE POWER GAIN

5%	Maximum power (Pmax)	725W	730W	735W	740W	746W
	Module Efficiency STC (%)	23.32%	23.49%	23.66%	23.83%	24.00%
15%	Maximum power (Pmax)	794W	799W	805W	811W	817W
	Module Efficiency STC (%)	25.54%	25.73%	25.91%	26.10%	26.28%
25%	Maximum Power (Pmax)	863W	869W	875W	881W	888W
	Module Efficiency STC (%)	27.77%	27.97%	28.17%	28.37%	28.57%

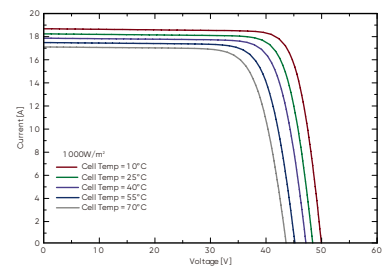
PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	32
Pallets per container	18
Pieces per container	576

I-V CURVE

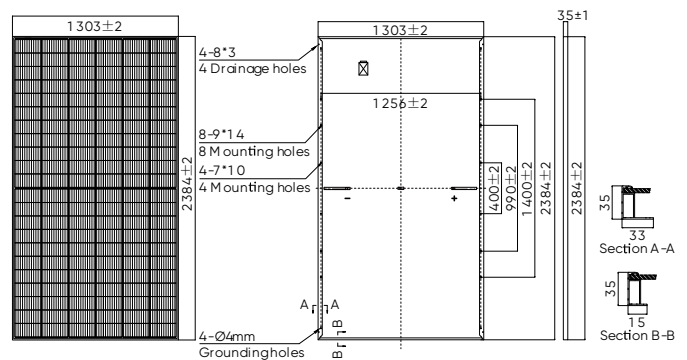


SAS 690N-132G12 / I-V



MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	132 (6x22)
Dimensions	2384 x 1303 x 35mm
Weight	34.0kg
Front Glass	2.0mm coated tempered glass
Frame	Anodized aluminium alloy (reinforced high-load optional)
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	250mm (+) / 350mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	Front 5400Pa / Rear 2400Pa



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Pmax	-0.25%/°C
Temperature Coefficient of Pmax	+0.045%/°C