

465-485 W Mono

120 Half-Cell Layout

M10 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

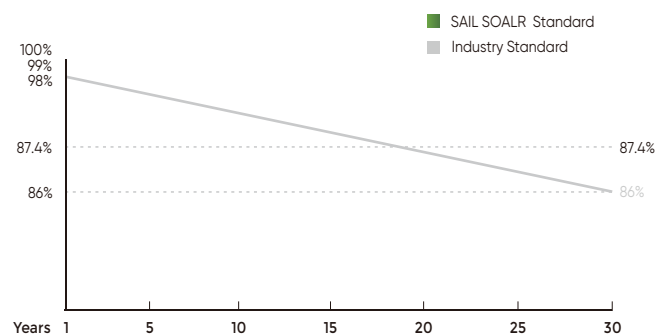
- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests



30
years
POWER WARRANTY

15
years
PRODUCT WARRANTY

Linear Performance Warranty



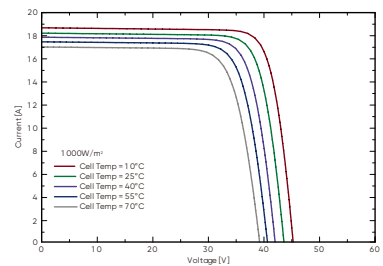
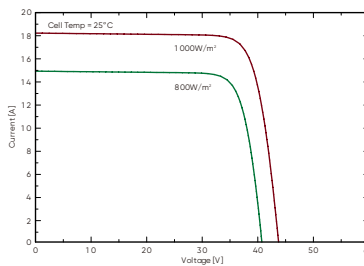
SAIL SOLAR Mono I 465-485W

ELECTRICAL PARAMETERS

POWER CLASS	SAS 465N-120M10	SAS 470N-120M10	SAS 475N-120M10	SAS 480N-120M10	SAS 485N-120M10
	STC	STC	STC	STC	STC
Maximum power (Pmax)	465	470	475	480	485
Open Circuit Voltage (Voc)	35.2	35.3	35.5	35.6	35.8
Short Circuit Current (Isc)	13.22	13.31	13.39	13.48	13.56
Voltage at Maximum power (Vmp)	42.5	42.6	42.8	42.9	43.1
Current Maximum Power (Imp)	13.98	14.09	14.16	14.26	14.34
MODULE EFFICIENCY (%)	21.5%	21.7%	21.9%	22.2%	22.4%

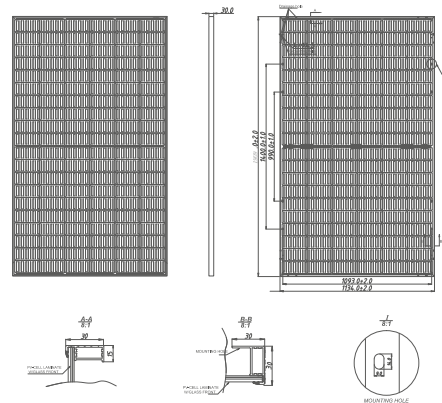
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

PACKING CONFIGURATION	I-V CURVE	SAS475N-120M10/I-V
Container	24'HQ	
Pieces per pallet	32	
Pallets per container	18	
Pieces per container	576	



MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	120 (6*20)
Dimensions	1908 *1134*30mm
Weight	28KG
Front Glass	3.2mm 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