

520-540W Mono

132 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

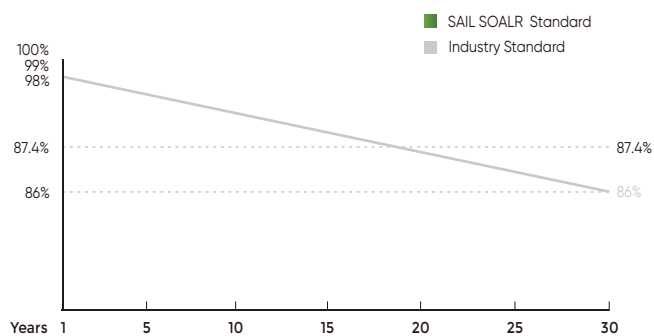
- ISO9001:2015QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests



30
years
POWER WARRANTY

15
years
PRODUCT WARRANTY

Linear Performance Warranty



SAIL SOLAR Mono I 520-540W

ELECTRICAL PARAMETERS

POWER CLASS	SAS520N-132M10	SAS525N-132M10	SAS530N-132M10	SAS535N-132M10	SAS 540N-132M10
	STC	STC	STC	STC	STC
Maximum power (Pmax)	520W	525W	530W	535W	540W
Open Circuit Voltage (Voc)	47.03V	47.22V	47.41V	47.60V	47.78V
Short Circuit Current (Isc)	14.14A	14.21A	14.28A	14.35A	14.42A
Voltage at Maximum power (Vmpp)	39.36V	39.53V	39.70V	39.87V	40.03V
Current Maximum Power (Impp)	13.21A	13.28A	13.35A	13.42A	13.49A
MODULE EFFICIENCY (%)	21.90%	22.11%	22.32%	22.53%	22.74%

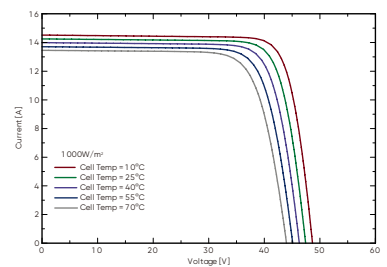
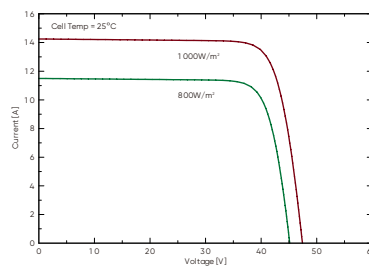
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	33
Pallets per container	22
Pieces per container	726

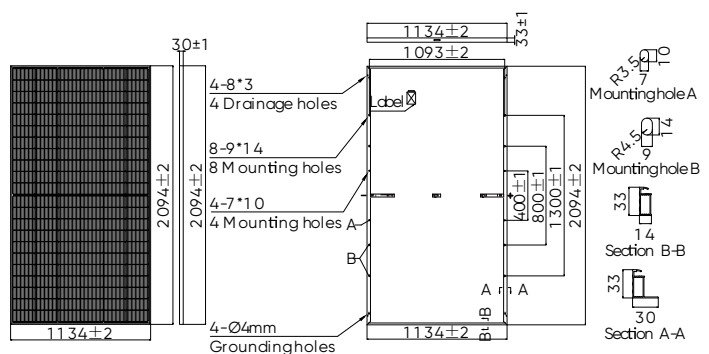
I-V CURVE

SAS -530N-132M10/I-V



MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	132 (6x22)
Dimensions	2094 x 1134 x 30mm
Weight	28.5kg
Front Glass	3.2mm coated semi-tempered glass
Frame	Anodized aluminium alloy (reinforced high-load optional)
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm ² 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