SAIL SOLAR

570-590 W Mono

144 Half-Cell Layout

M10 N-TYPE Cell

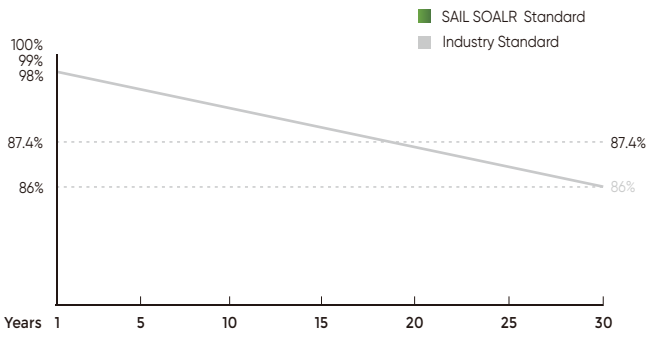
- N-TYPE TOP CON Cell Technology
- SMBB Half Cut Cell Technology
- Bifacial Cell Module Technologies
- Excellent Anti-PID Low LID Performance
- Less Hot Spot Shading Effects
- Higher Power Output Lower BOS & LCOE

- 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



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SAIL SOLAR

SAIL SOLAR *Mono I 570-590W*

ELECTRICAL PARAMETERS

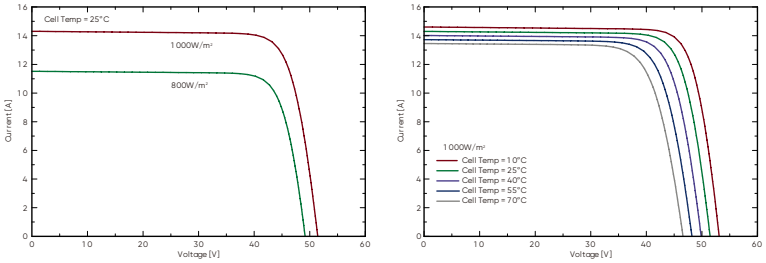
POWER CLASS	SAS570N-144M10	SAS575N-144M10	SAS580N-144M10	SAS585N-144M10	SAS590N-144M10
	STC	STC	STC	STC	STC
Maximum power (Pmax)	570W	575W	580W	585W	590W
Open Circuit Voltage (Voc)	51.30V	51.44V	51.57V	51.70V	51.83V
Short Circuit Current (Isc)	14.19A	14.26A	14.33A	14.40A	14.47A
Voltage at Maximum power (Vmpp)	42.79V	42.94V	43.09V	43.24V	43.38V
Current Maximum Power (Impp)	13.32A	13.39A	13.46A	13.53A	13.60A
MODULE EFFICIENCY (%)	22.06%	22.25%	22.44%	22.64%	22.83%

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

PACKING CONFIGURATION

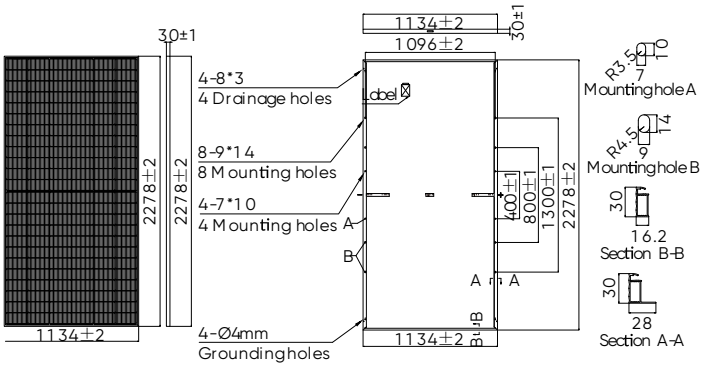
Container	20'GP	40'HQ
Pieces per pallet	36	36
Pallets per container	5	20
Pieces per container	180	720

I-V CURVE SAS580N-144M10/I-V



MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	144 (6x24)
Dimensions	2278 x 1134 x 30mm
Weight	27.0kg
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy (reinforced high-load optional
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm²
	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 Coeffcient of Pmax	-0.29%°C
Temperature Coeffcient of Pmax	-0.25%°C
Temperature Coeffcient of Pmax	+0.045%°C

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