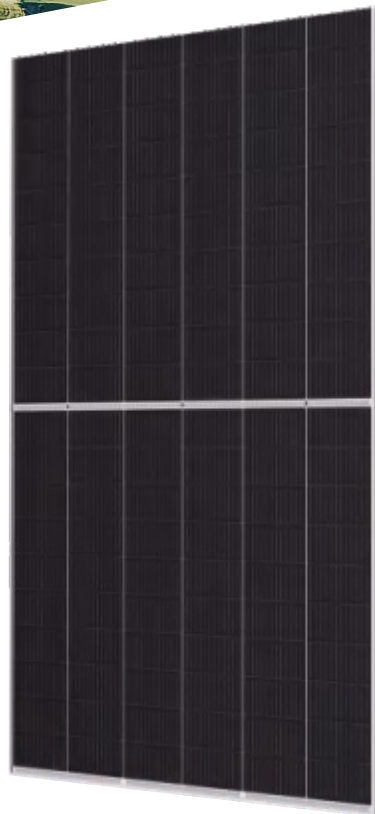


# 620-640W Mono

## 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

**anti**  
PID  
LID

Excellent Anti-PID Low LID Performance



Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

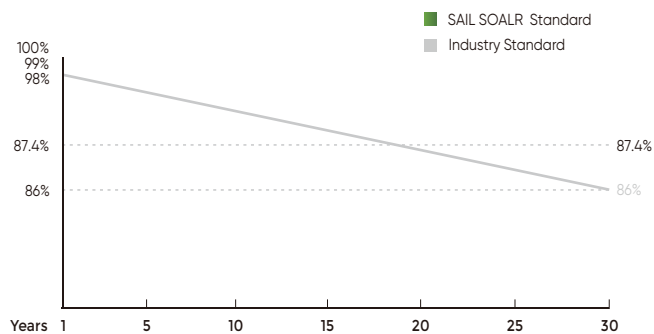
- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests



**30**  
years  
POWER WARRANTY

**15**  
years  
PRODUCT WARRANTY

### Linear Performance Warranty



# SAIL SOLAR Mono I 620-640W BIFACIAL DG

## ELECTRICAL PARAMETERS

POWER CLASS	SAS620N-120G12	SAS625N-120G12	SAS630N-120G12	SAS635N-120G12	SAS640N-120G12
	STC	STC	STC	STC	STC
Maximum power (Pmax)	620W	625W	630W	635W	640W
Open Circuit Voltage (Voc)	43.75V	43.96V	44.16V	44.37V	44.57V
Short Circuit Current (Isc)	18.16A	18.20A	18.24A	18.28A	18.32A
Voltage at Maximum power (Vmp)	36.21V	36.44V	36.67V	36.90V	37.12V
Current Maximum Power (Imp)	17.12A	17.15A	17.18A	17.21A	17.24A
MODULE EFFICIENCY (%)	21.91%	22.08%	22.26%	22.44%	22.61%

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G

## BIFACIAL OUTPUT -REAR SIDE POWER GAIN

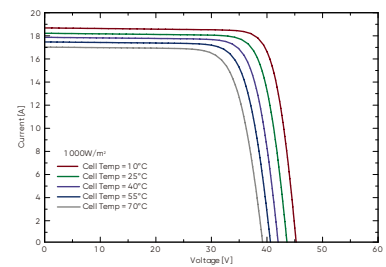
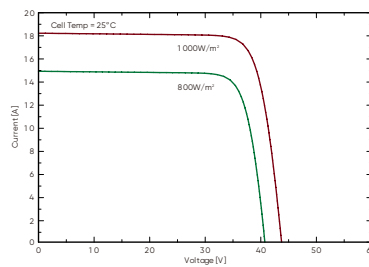
5%	Maximum power (Pmax)	651W	656W	662W	667W	672W
	Module Efficiency STC (%)	23.00%	23.19%	23.37%	23.56%	23.74%
15%	Maximum power (Pmax)	713W	719W	725W	730W	736W
	Module Efficiency STC (%)	25.19%	25.40%	25.60%	25.80%	26.01%
25%	Maximum Power (Pmax)	775W	781W	788W	794W	800W
	Module Efficiency STC (%)	27.38%	27.60%	27.83%	28.05%	28.27%

## PACKING CONFIGURATION

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

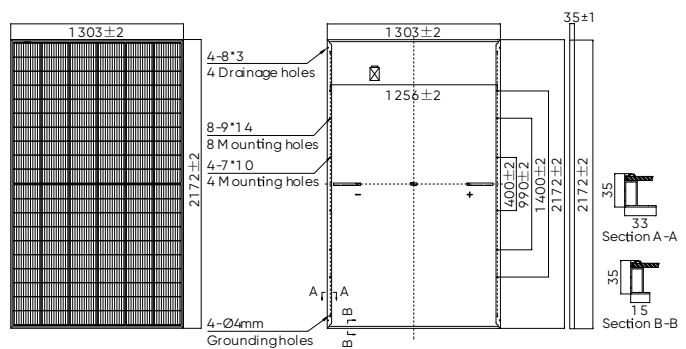
## I-V CURVE

SAS625N-120G12 /I-V



## MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	120 (6x20)
Dimensions	2172 x 1303 x 35mm
Weight	31.0kg
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 <sup>2</sup>
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