

# 605-625W

132 Half-Cell Layout Mono BIFACIAL DG  
G12R 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

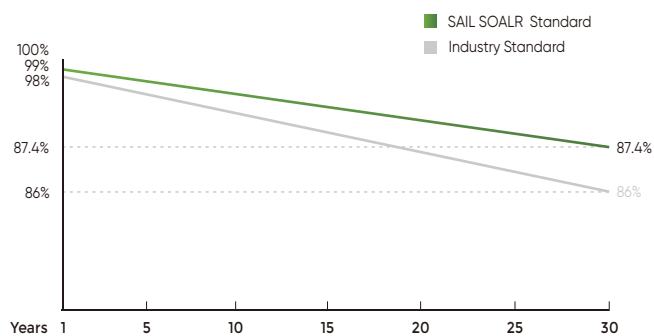
- ISO9001:2015QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests



**30**  
years  
POWER WARRANTY

**15**  
years  
PRODUCT WARRANTY

## Linear Performance Warranty



# SAIL SOLAR Mono 1605 - 625W BIFACIAL DG

## ELECTRICAL PARAMETERS

POWER CLASS	SAS605N-132G12R	SAS610-132G12R	SAS615-132G12R	SAS620-132G12R	SAS625-132G12R
	STC	STC	STC	STC	STC
Maximum power (Pmax)	605W	610W	615W	620W	625W
Open Circuit Voltage (Voc)	48.75V	48.94V	49.13V	49.32V	49.50V
Short Circuit Current (Isc)	15.74A	15.80A	15.86A	15.92A	15.98A
Voltage at Maximum power (Vmpp)	40.82V	40.99V	41.16V	41.33V	41.50V
Current Maximum Power (Impp)	14.82A	14.88A	14.94A	15.00A	15.06A
MODULE EFFICIENCY (%)	22.40%	22.58%	22.77%	22.95%	23.14%

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

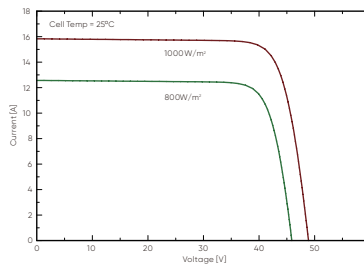
## BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum power (Pmax)	635W	641W	646W	651W	656W
	Module Efficiency STC (%)	23.52%	23.71%	23.91%	24.10%	24.29%
15%	Maximum power (Pmax)	696W	702W	707W	713W	719W
	Module Efficiency STC (%)	25.76%	25.97%	26.18%	26.40%	26.61%
25%	Maximum Power (Pmax)	756W	763W	769W	775W	781W
	Module Efficiency STC (%)	28.00%	28.23%	28.46%	28.69%	28.92%

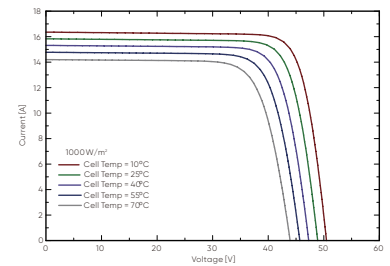
## PACKING CONFIGURATION

Container	40HQ
Pieces per pallet	36
Pallets per container	20
Pieces per container	720

## I-V CURVE

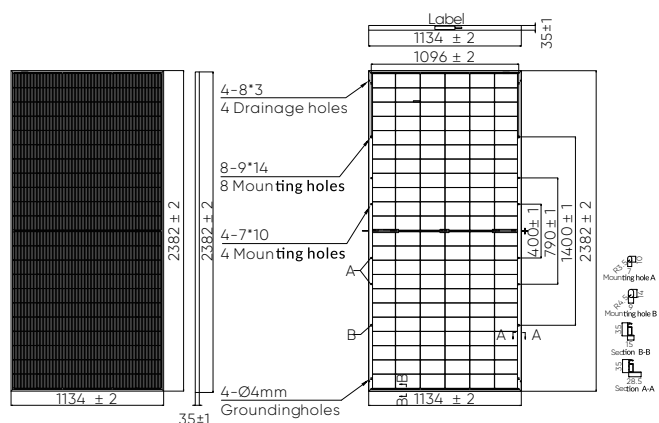


## SAS610N-132G12R/I-V



## MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	132 (6x22)
Dimensions	2382 x 1134 x 30mm
Weight	34.0kg
Front / Back Glass	2.0mm coated semi-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