

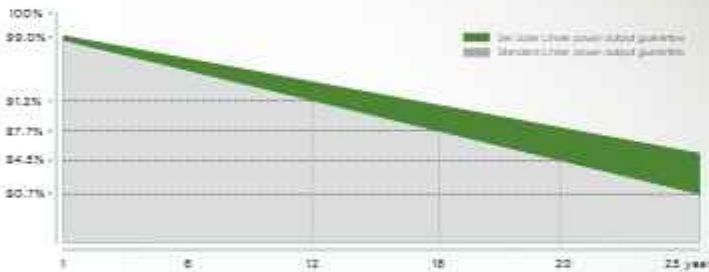
Hi Pro **4** *Bifacial Double Glass*

525~550W

High Efficiency
Low LID Bifacial PERC with
Half-cut Technology

12 12-year Warranty for Materials
and Processing

25 25-year Warranty for Extra
Linear Power Output



21.28%

Peak Module ETL

0~+5W

Positive Tolerance

P Higher Module Conversion Efficiency

☘ Excellent Durability

📉 Low Power Degradation

☀️ Excellent Low Irradiance Performance

PID Excellent An-PID, Low LID Performance

HOT Reduced Hot Spot Risk



Complete System and Product Certifications

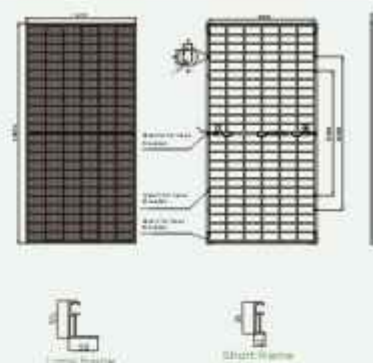
*IEC 61215/IEC 61730/UL 31750
 *ISO 9001:2008 ISO Quality Management System
 *ISO 14001:2004/ISO Environmental Management System
 *OHSAS 18001:2007 Occupational Health and Safety
 *Specifications subject to technical changes and tests. SAIL Solar reserves the right of interpretation.



Mechanical Parameters

Cell Orientation	144 (6x24)
Junction Box	IP68, three diodes
Output Cable	4mm ² , 300mm in length, length can be customized
Glass	Dual glass 2.0mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	31.6kg±3%
Dimension	2285x1134x35mm
Packaging	36pcs per pallet 720pcs per 40'ft Container 180pcs per 20'ft Container

Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~+5W
Voc & Isc Tolerance	±3%
Max. System Voltage	DC1500V(IEC/UL)
Max. Series Fuse Rating	30A
NOCT	45±2°C
Safety Class	II
Fire Rating	UL type 3
Bifaciality	Glazing 70±5%
Max. Static Load(Front)	5400Pa
Max. Static Load(Back)	2400Pa



Electrical Characteristics

Model Number	SAS525MB-144HG		SAS530MB-144HG		SAS535MB-144HG		SAS540MB-144HG		SAS545MB-144HG		SAS550MB-144HG	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	525	394	530	398	535	401	540	405	545	409	550	413
Open Circuit Voltage (Voc/V)	49.17	45.04	49.32	45.27	49.46	45.46	49.60	45.66	49.76	45.85	49.92	46.04
Short Circuit Current (Isc/A)	13.66	10.93	13.72	10.98	13.79	11.03	13.86	11.09	13.93	11.14	14.00	11.20
Voltage at Maximum Power (Vmp/V)	41.15	38.57	41.32	38.73	41.48	38.88	41.64	39.03	41.80	39.18	41.96	39.33
Current at Maximum Power (Imp/A)	12.76	10.21	12.83	10.26	12.90	10.32	12.97	10.38	13.04	10.43	13.11	10.49
Module Efficiency(%)	20.31		20.51		20.70		20.89		21.09		21.28	
Temperature Coefficient of Isc												+0.045%/°C
Temperature Coefficient of Voc												-0.261%/°C
Temperature Coefficient of Pmax												-0.331%/°C

* STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, Spectra at AM1.5

* NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

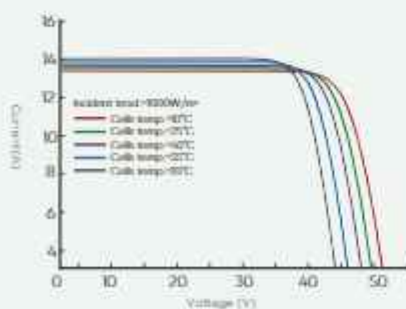
* Test uncertainty for Pmax: ±3%

ELECTRICAL CHARACTERISTICS WITH DIFFERENT POWER RANGES(REFERENCE TO 10% SOLAR ILLUMINANCE RATIO)

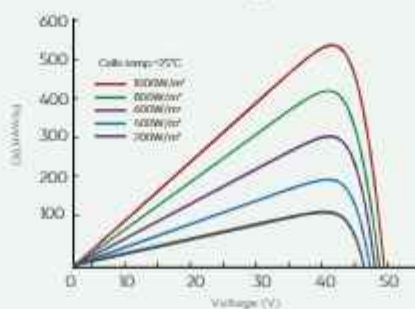
TYPE	SAS525MB-144HG	SAS530MB-144HG	SAS535MB-144HG	SAS540MB-144HG	SAS545MB-144HG	SAS550MB-144HG
Maximum Power (Pmax)	551	556	561	567	572	577
Module Efficiency (%)	21.2	21.4	21.6	21.8	22.0	22.2
Maximum Power (Pmax)	603	609	615	621	626	632
Module Efficiency (%)	23.3	23.5	23.7	23.9	24.1	24.2
Maximum Power (Pmax)	656	662	668	675	681	687
Maximum Power (Pmax)	25.3	25.5	25.8	26.0	26.2	26.5

V-Curve (SAS540MB-144HG)

Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve
Cells temp=25°C

