

SKANBATT

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560-585W Mono BIFACIAL DG

144 Half-Cell Layout

182mm N-TOPCon Cell



N-TOPCon Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance



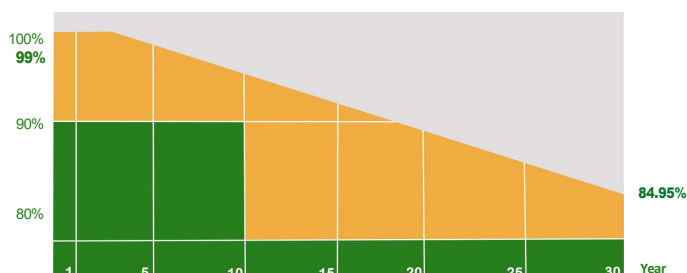
Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear performance Warranty

■ FLAG SUN Standard ■ Industry Standard



Comprehensive Certificates

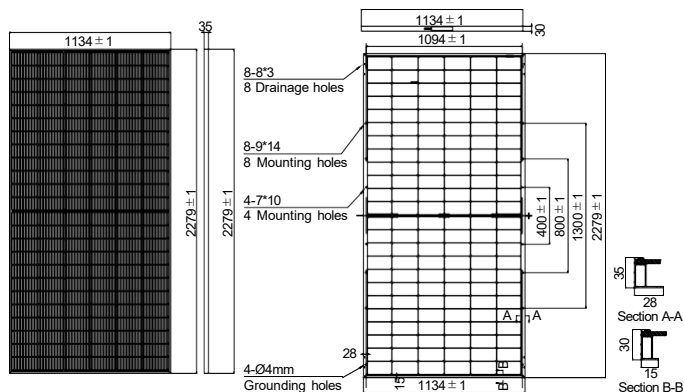
- ISO14001:2015 EMS
- SA8000:2014 SMS
- ISO9001:2015 QMS
- IEC61215/IEC61730 Standard Quality



SKANBATT Mono I 560 - 585W BIFACIAL DG

MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	144 (6x24)
Dimensions	2279 x 1134 x 35mm
Weight	31.5kg
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm ²
	300mm (+) / 300mm (-) or customized
Frame Size	30mm (35mm optional)
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	FSMH144-560-M10	FSMH144-565-M10	FSMH144-570-M10	FSMH144-575-M10	FSMH144-585-M10
	STC	STC	STC	STC	STC
Maximum power (Pmax)	560W	565W	570W	575W	585W
Open Circuit Voltage (Voc)	51.14V	51.28V	51.41V	51.55V	51.81V
Short Circuit Current (Isc)	14.01A	14.08A	14.15A	14.22A	14.36A
Voltage at Maximum power (Vmpp)	42.11V	42.26V	42.41V	42.56V	42.86V
Current Maximum Power (Impp)	13.30A	13.37A	13.44A	13.51A	13.65A
MODULE EFFICIENCY (%)	21.67%	21.86%	22.06%	22.25%	22.63%

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

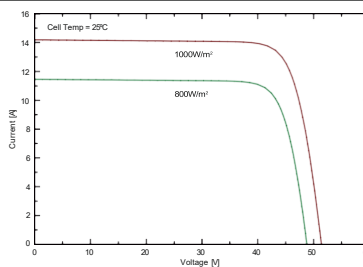
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum power (Pmax)	588W	593W	599W	604W	614W
	Module Efficiency STC (%)	22.75%	22.96%	23.16%	23.36%	23.76%
15%	Maximum power (Pmax)	644W	650W	656W	661W	673W
	Module Efficiency STC (%)	24.92%	25.14%	25.36%	25.59%	26.03%
25%	Maximum Power (Pmax)	700W	706W	713W	719W	731W
	Module Efficiency STC (%)	27.09%	27.33%	27.57%	27.81%	28.29%

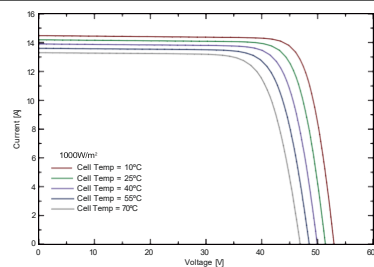
PACKING CONFIGURATION

Container	40'HC (30mm)	40'HC (35mm optional)
Pieces per pallet	36	31
Pallets per container	20	20
Pieces per container	720	620

I-V CURVE



FSMH144-585-M10/I-V



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 Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C

Note: The specifications, data and technical characteristics provided in this data sheet are subject to changes due to continuous R&D, product innovation and improvement. SKANBATT reserves the right to modify the information any time without prior notice.