

Product Certificates



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Key Features



High Efficiency

Advanced Ga-doped PERC technology, High conversion efficiency (up to 21.29%)



Excellent Low-light Performance

Advanced solar cell surface texturing technology, allows for excellent performance in low-light environment



High Reliability

Strict quality control guarantees high reliability



Highly Strengthened Design

Certified to withstand: 5400Pa snow load and 2400Pa wind load



Outstanding PID Resistant Performance

Innovative cell technology, keeping module from degradation induced by electric potential difference

Mono Module

DBG530~DBG550

Electrical performance parameters

Model	DBG530	DBG535	DBG540	DBG545	DBG550
Maximum power (Pm/Wp)	530	535	540	545	550
Maximum power voltage (Vmp/V)	41.57	41.80	42.03	42.25	42.48
Maximum power current (Imp/A)	12.75	12.80	12.85	12.90	12.95
Open circuit voltage (Voc/V)	49.63	49.76	49.89	50.10	50.32
Short circuit current (Isc/A)	13.50	13.55	13.60	13.65	13.70
Module efficiency (%)	20.51	20.71	20.90	21.09	21.29

Mechanical performance parameters

Cell Nos & array	Mono half-cut cells 144pcs	
Cell size (mm)	182*91	
Glass thickness (mm)	3.2	
Frame	anodized aluminum alloy	
Cable	4mm ² , negative 300mm, positive 300mm	
Module weight(kg)	27	
Module dimension(L*W*H)(mm)	2278*1134*35mm	
Packing	31pcs/pallet	

Quality parameters

Module working temperature range (°C)	-40~+85
Power tolerance (W)	0~+3
Maximum system voltage (V)	DC 1500
System maximum protection current (A)	25
NOCT(°C)	45 ± 2
Front/rear static loads(Pa)	2400/5400
Junction box/Connector	Ip68, split/MC4 compatible

Temperature coefficient (STC)

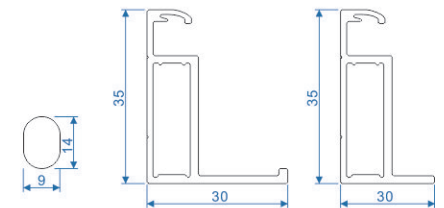
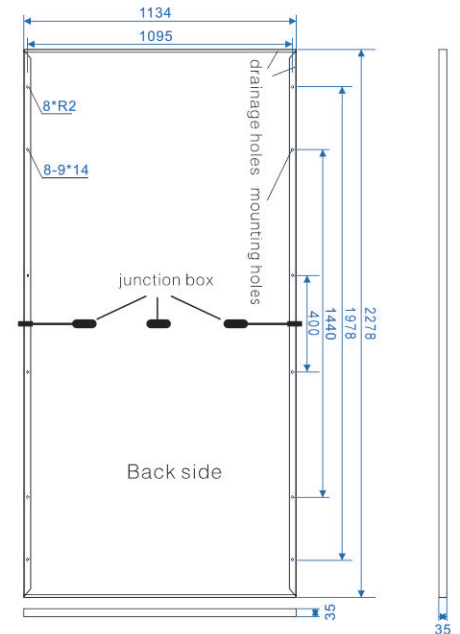
Temperature coefficient of Voc	-0.275%/°C
Temperature coefficient of Isc	+0.05%/°C
Temperature coefficient of Pm	-0.35%/°C

Quality warranty

12-year materials & workmanship warranty
25-year linear power warranty

Attention: Read safety and installation instructions before using.
The parameters in this sheet are subject to change without prior notice.

Module dimension (mm)



I-V curve

