



## Key Features



### High Efficiency

Advanced Ga-doped PERC technology, High conversion efficiency (up to 21.48%)



### 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

## Product Certificates



## Contact us

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# PERC Mono Module

DBG535~DBG555

## Electrical performance parameters

Model	DBG535	DBG540	DBG545	DBG550	DBG555
Maximum power (Pm/Wp)	535	540	545	550	555
Maximum power voltage (Vmp/V)	41.80	42.03	42.25	42.48	42.77
Maximum power current (Imp/A)	12.80	12.85	12.90	12.95	12.98
Open circuit voltage (Voc/V)	49.76	49.89	50.10	50.32	50.54
Short circuit current (Isc/A)	13.55	13.60	13.65	13.70	13.73
Module efficiency (%)	20.71	20.90	21.09	21.29	21.48

## Mechanical performance parameters

Cell Nos & array	PERC mono half-cut cells 144pcs
Cell size (mm)	182*91
Glass thickness (mm)	3.2
Frame	anodized aluminum alloy
Cable	4mm <sup>2</sup> , negative300mm, positive300mm
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~+5
Maximum system voltage (V)	DC1500
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

Test condition: Irradiance=(1+0.1BIFI)1000W/m2, ambient temperature=25°C, AM=1.5

## Quality warranty

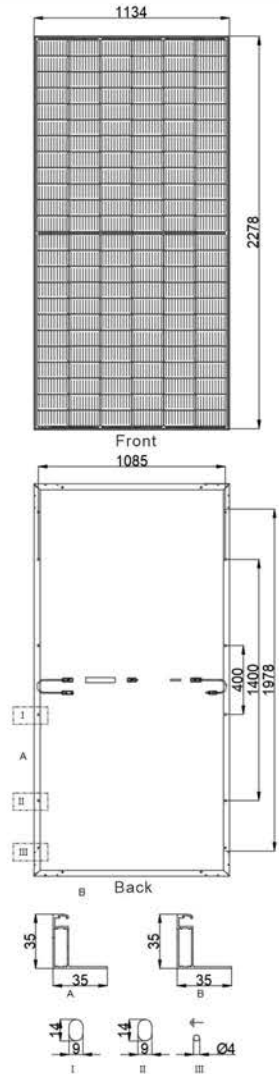
12-year materials&workmanship warranty

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

