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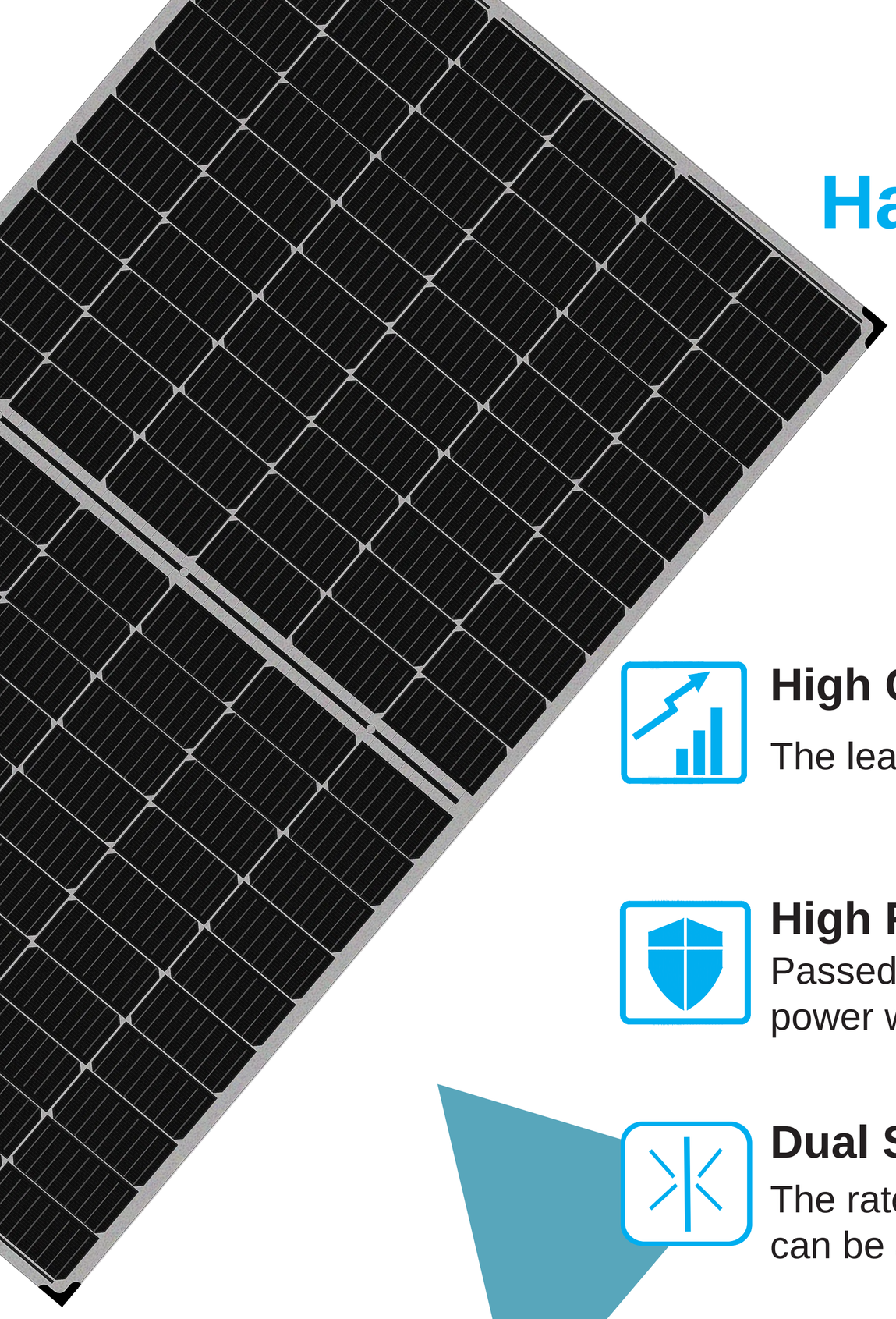
Solar Panel Guide
Specification Data Sheet

DAS Solar Co., Ltd
DAS-DH120P 310-335W
DH120P-310



Half Cell, Bifacial Module PERC

DAS-DH120P 310W ~ 335W

High Conversion Efficiency

The leading module conversion efficiency, Up to 20.4%

High Reliability

Passed 3*IEC standard test, 15 years material warranty, 30 years power warranty

Dual Sides Power Generation

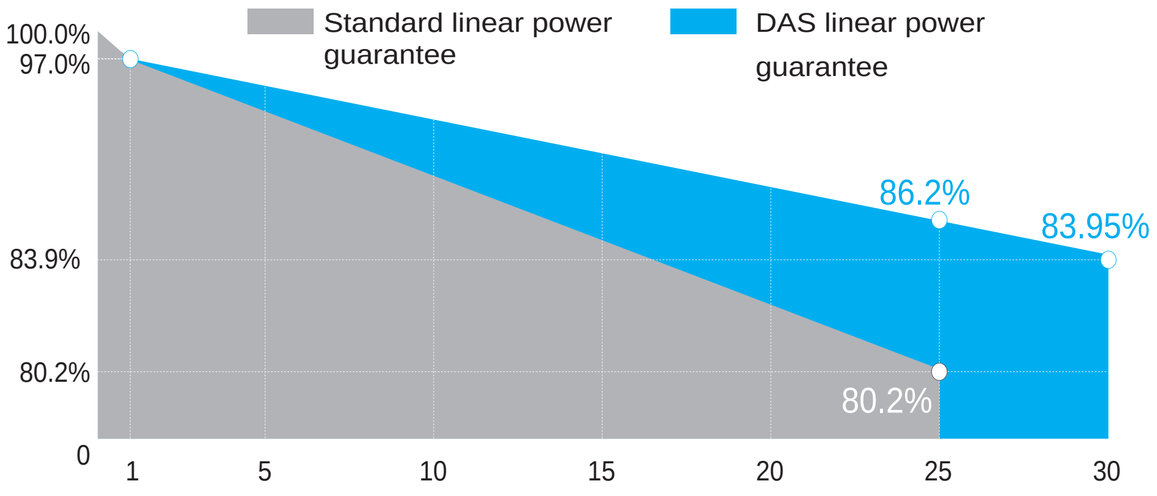
The rate is above 70%, and the additional power generating capacity can be above 25% than that of conventional modules

Excellent Appearance and Performance

Total black module, symmetrical structural design, low risk of micro crack

Extensive Application Scenarios

More extensive application scenarios, such as BIPV, snow field, vertical installation, high humidity, strong wind and desert area



-3.00% First year power degradation

-0.45% Power degradation per year

15 YEAR Materials and workshop warranty

30 YEAR Power linear warranty

Product And Quality Certifications

- IEC 61215, IEC 61730
- ISO 9001:2015 Quality Management System
- ISO 14001:2015 Environmental Management System
- ISO 45001:2018 EHS Management System
- IEC TS 62941:2016 Terrestrial photovoltaic (PV) modules. Guideline for increased confidence in PV module design qualification and type approval

DASOLAR®
Das Solar Co., Ltd.

DAS solar has been founded in 2018, the total designed production capacity is 5GW high efficiency Mono cell and 3GW high efficiency Mono module. It will be 1GW high efficiency Mono PERC cell and 500MW high efficiency Mono PERC module production capacity from early 2019.

Half Cell, Bifacial Module PERC DAS-DH120P 310W ~ 335W

Electrical Parameters (STC*)

Module Type	DH120P-335	DH120P-330	DH120P-325	DH120P-320	DH120P-315	DH120P-310
Nominal Max. Power(Pmax/W)	335	330	325	320	315	310
Open Circuit Voltage(Voc/V)	41.61	41.33	41.07	40.8	40.53	40.26
Short Circuit Current(Isc/A)	9.85	9.81	9.77	9.72	9.68	9.64
Operating Voltage(Vmp/V)	35.05	34.74	34.43	34.12	33.79	33.47
Operating Current(Imp/A)	9.56	9.5	9.44	9.38	9.32	9.26
Module Efficiency(%)	20.0	19.7	19.4	19.1	18.8	18.5

STC*(Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25℃, AM1.5

Electrical Parameters (NMOT*)

Module Type	DH120P-335	DH120P-330	DH120P-325	DH120P-320	DH120P-315	DH120P-310
Nominal Max. Power(Pmax/W)	246	243	239	235	232	228
Open Circuit Voltage(Voc/V)	38.5	38.2	38.0	37.7	37.5	37.2
Short Circuit Current(Isc/A)	7.94	7.91	7.87	7.83	7.80	7.77
Operating Voltage(Vmp/V)	32.2	32.0	31.7	31.3	31.1	30.8
Operating Current(Imp/A)	7.65	7.60	7.55	7.50	7.46	7.41

NMOT* (Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20℃, AM1.5, Wind Speed 1m/s

Back Power Gain (For 310W)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	330	340	350	360	375
Open Circuit Voltage(Voc/V)	40.26	40.26	40.26	40.26	40.26
Short Circuit Current(Isc/A)	10.31	10.65	10.99	11.33	11.66
Operating Voltage(Vmp/V)	33.47	33.47	33.47	33.47	33.47
Operating Current(Imp/A)	9.91	10.23	10.56	10.88	11.20

Mechanical Parameters

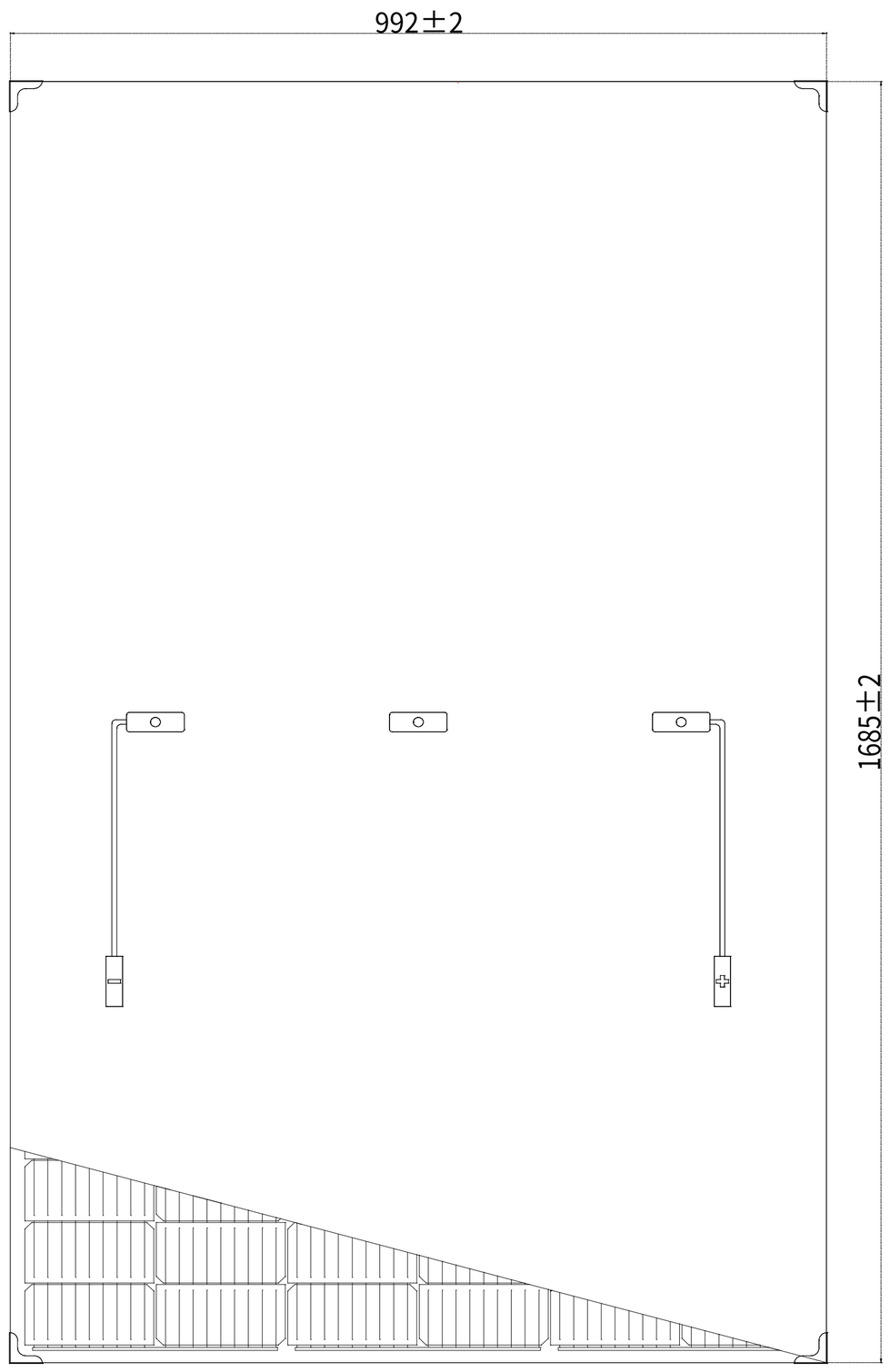
Cell size	Mono PERC 156.75×78.375mm
Module size	1685×992×6mm(L×W×H)
Glass Thickness	2.5mm
Module Weight	23.0kg
Output Cable	4mm², cable length 300mm (can be customized)
Connector	MC4 compatible

Temperature Coefficients

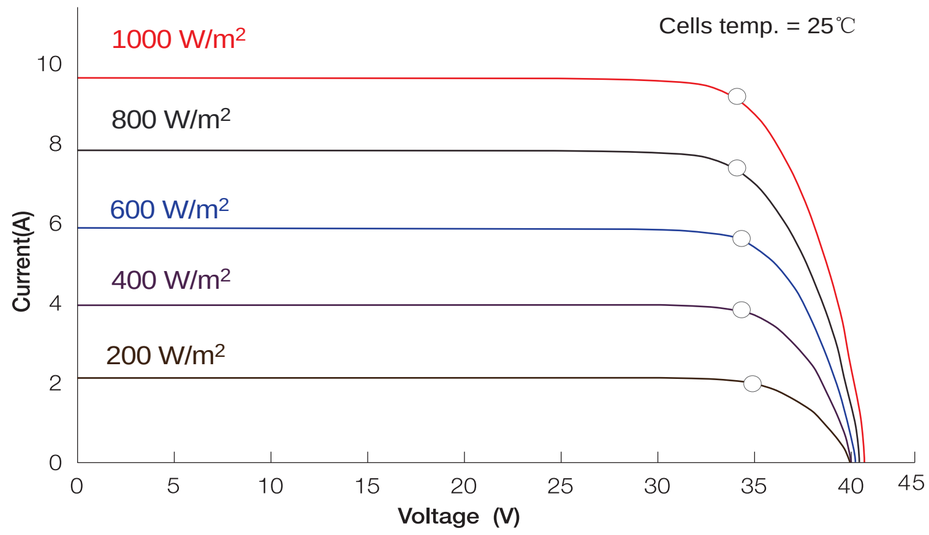
Short Circuit Current(Isc)	+0.048%/℃
Open Circuit Voltage(Voc)	-0.31%/℃
Nominal Max. Power(Pmax)	-0.38%/℃
NMOT	42±2℃

Work Environmental Parameters

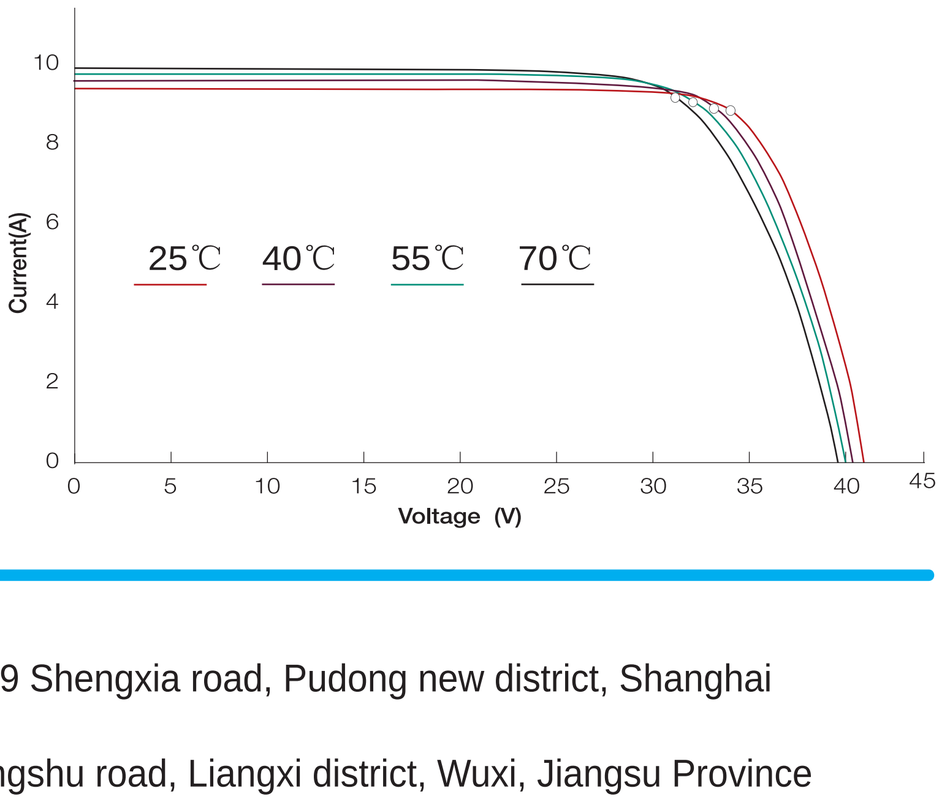
Max. System Voltage	DC1500V
Operating Temperatue	-40℃ ~ +85℃
Max. Fuse Rated Current	20A
Front Static Load	Snow load 5400Pa, Wind load 2400Pa
Application Classifcation	Class A
Packing Specification	33 pcs/Pallet, 198 pcs/ 20'HQ; 858 pcs/ 40'HQ;



I-V curves under different irradiance degree



I-V curves



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