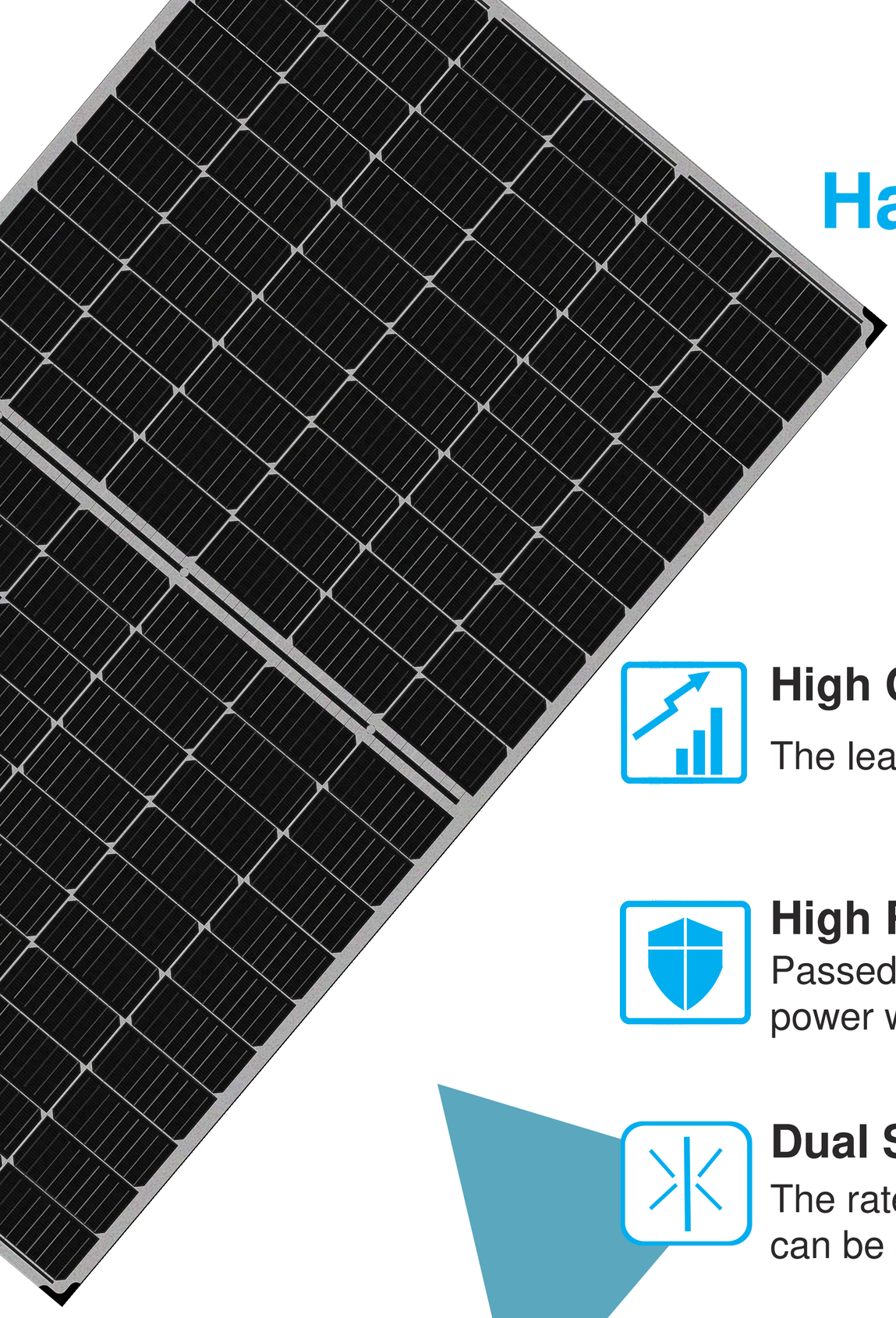


Half Cell, Bifacial Module PERC

DAS-DH144P 370W ~ 395W

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

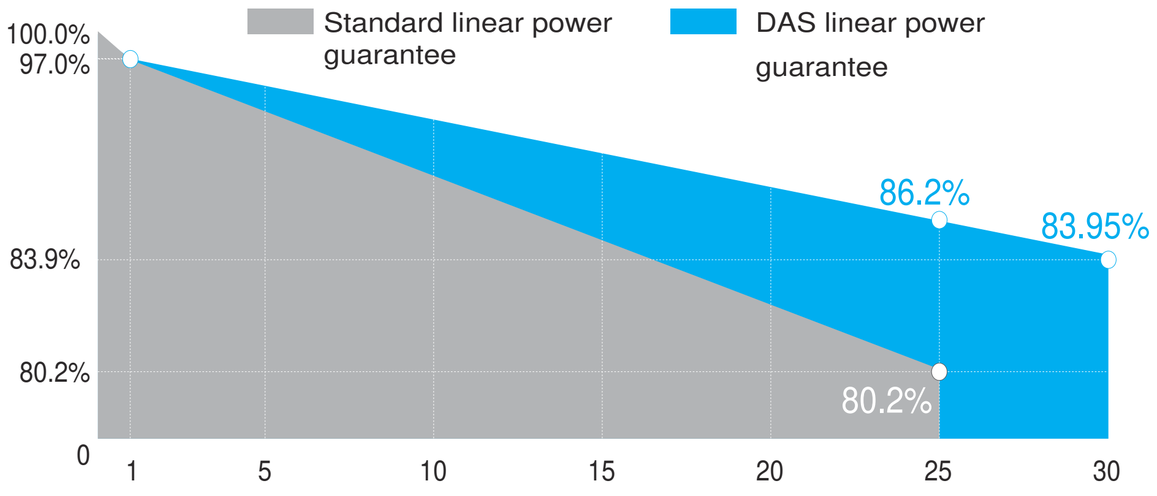
The rate is above 70%, and the additional power generating capacity can be above 25% than that of conventional modules

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-DH144P 370W ~ 395W

Electrical Parameters (STC*)

Module Type	DH144P-395	DH144P-390	DH144P-385	DH144P-380	DH144P-375	DH144P-370
Nominal Max. Power(Pmax/W)	395	390	385	380	375	370
Open Circuit Voltage(Voc/V)	49.55	49.28	49.01	48.74	48.47	48.20
Short Circuit Current(Isc/A)	9.83	9.79	9.75	9.71	9.67	9.63
Operating Voltage(Vmp/V)	41.63	41.10	41.00	40.64	40.33	40.00
Operating Current(Imp/A)	9.49	9.44	9.39	9.35	9.30	9.25
Module Efficiency(%)	19.8	19.5	19.3	19.1	18.8	18.6

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

Electrical Parameters (NMOT*)

Module Type	DH144P-395	DH144P-390	DH144P-385	DH144P-380	DH144P-375	DH144P-370
Nominal Max. Power(Pmax/W)	290	287	283	279	276	272
Open Circuit Voltage(Voc/V)	45.8	45.6	45.3	45.1	44.8	44.6
Short Circuit Current(Isc/A)	7.92	7.89	7.86	7.83	7.79	7.76
Operating Voltage(Vmp/V)	38.2	38.0	37.7	37.3	37.1	36.8
Operating Current(Imp/A)	7.59	7.55	7.51	7.48	7.44	7.40

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

Back Power Gain (For 370W)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	395	405	420	435	445
Open Circuit Voltage(Voc/V)	48.20	48.20	48.20	48.20	48.20
Short Circuit Current(Isc/A)	10.30	10.64	10.98	11.32	11.65
Operating Voltage(Vmp/V)	40.00	40.00	40.00	40.00	40.00
Operating Current(Imp/A)	9.90	10.22	10.55	10.87	11.19

Mechanical Parameters

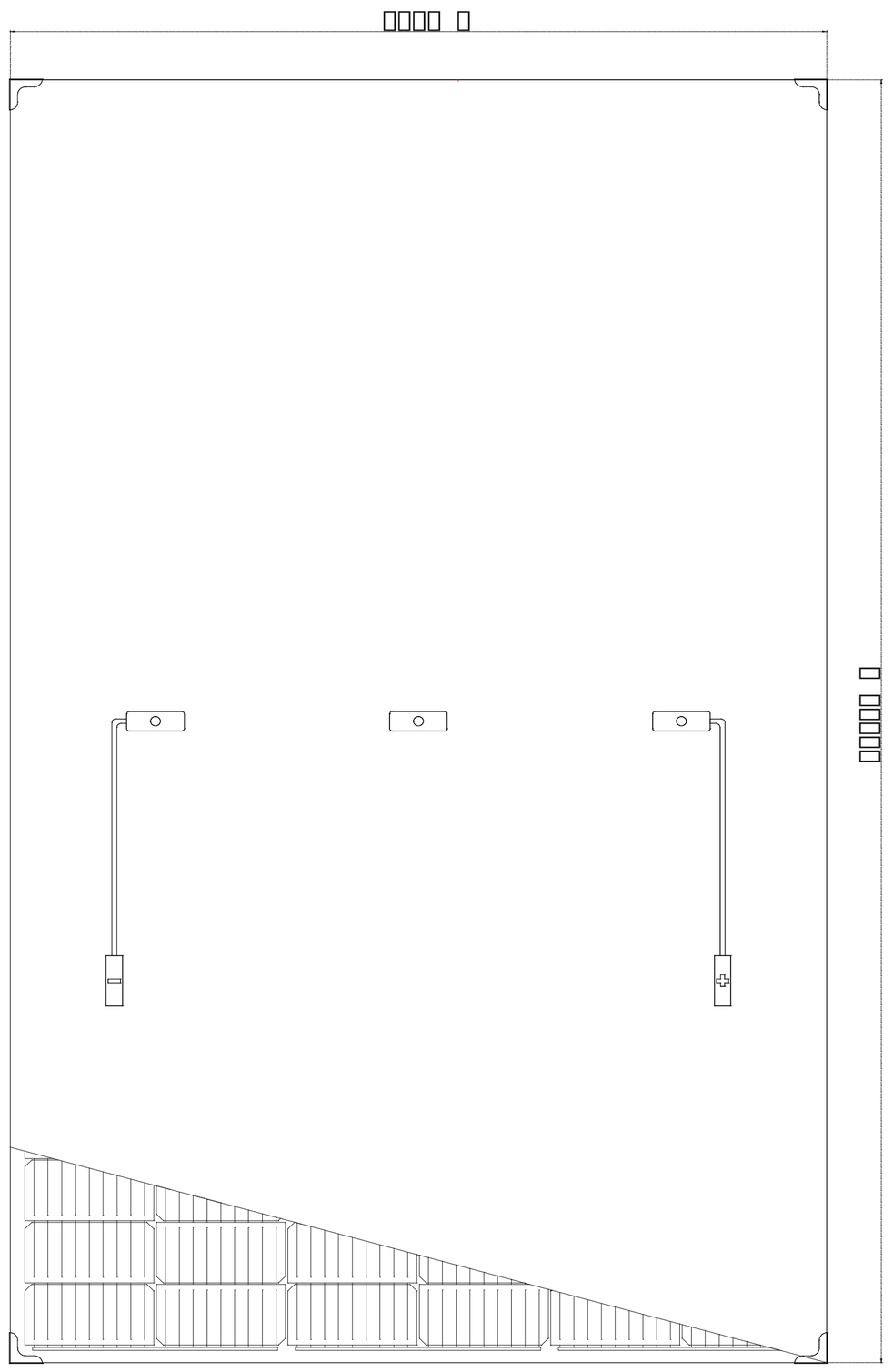
Cell size	Mono PERC 156.75×78.375mm
Module size	2007×992×6mm(L×W×H)
Glass Thickness	2.5mm
Module Weight	27.1kg
Output Cable	4mm², cable length 300mm (can be customized)
Connector	MC4 compatible

Temperature Coefficients

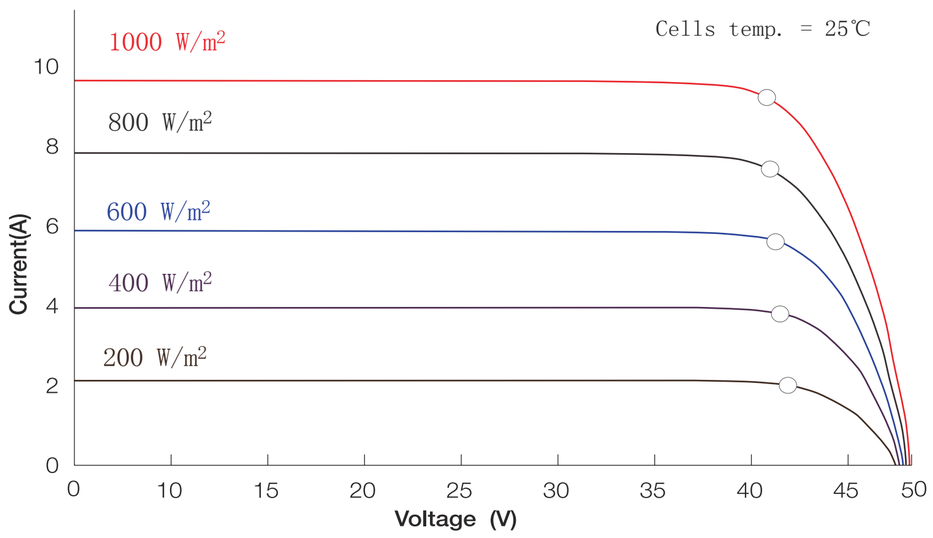
Short Circuit Current(Isc)	+0.048%/℃
Open Circuit Voltage(Voc)	-0.31%/℃
Nominal Max. Power(Pmax)	-0.38%/℃
NMOT	42±2℃

Work Environmental Parameters

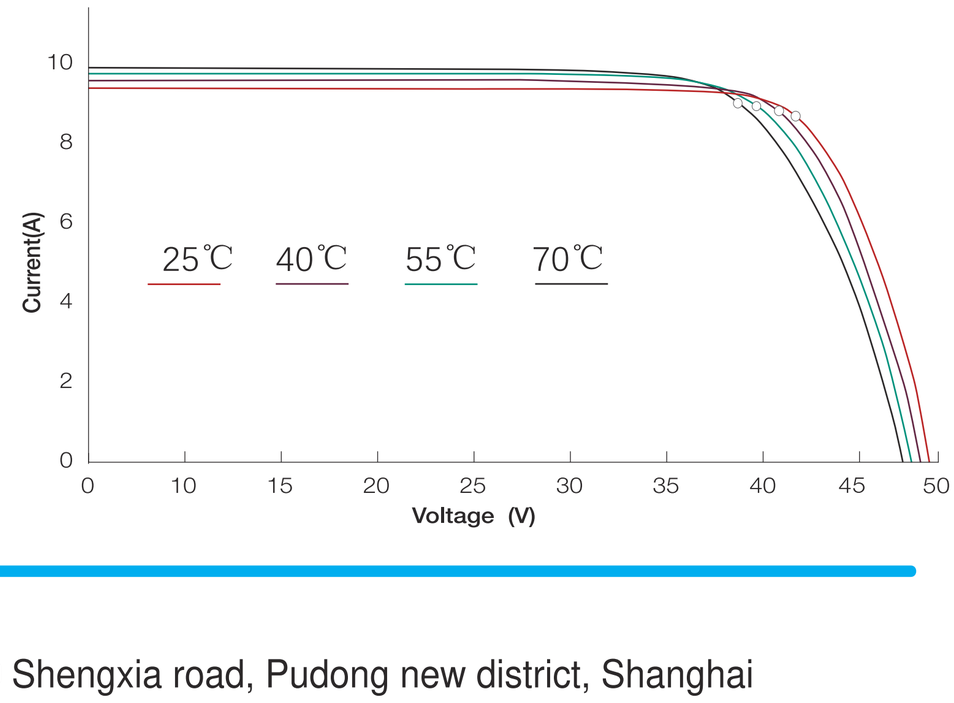
Max. System Voltage	DC1500V
Operating Temperatue	-40℃ ~ +85℃
Max. Fuse Rated Current	20A
Front Static Load	Snow load 5400Pa, Wind load 2400Pa
Application Classifcation	Class A
Packing Specification	30 pcs/Pallet, 150 pcs/ 20'HQ; 660 pcs/ 40'HQ;



I-V curves under different irradiance degree



I-V curves



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