



Half Cell Bifacial Module PERC

DAS-DH120P 325W ~ 345W



High Efficiency

Module efficiency leading in industry, up to 20.1%



High Reliability

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



Dual Sides Power Generation

Bifaciality is up to 70%, up to 25% more energy yield than conventional modules



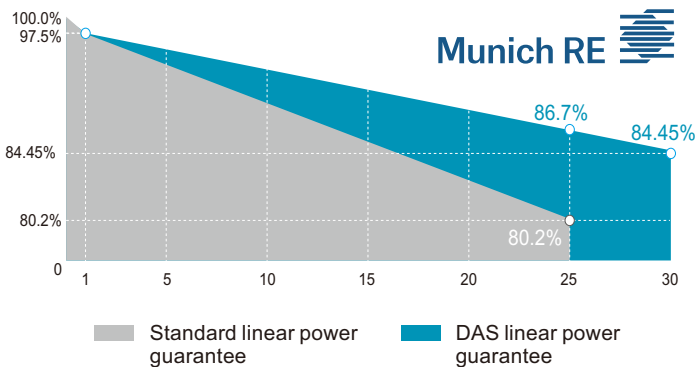
Excellent Appearance and Performance

Both side black cell, symmetrical design, low risk of micro-crack



Extensive Application Scenes

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



Product And Quality Certifications

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality Management System
- IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test
- IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules. Guideline for increased confidence in PV module design qualification and type approval

-2.50%
First year power degradation

-0.45%
Annual degradation

15 YEAR
Materials and workmanship warranty

30 YEAR
Linear power warranty



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 1.2GW high efficiency Mono PERC cell and 900 MW high efficiency Mono PERC module production capacity from 2019.

Electrical Parameters (STC*)

Module Type	DH120P-345	DH120P-340	DH120P-335	DH120P-330	DH120P-325
Nominal Max. Power(Pmax/W)	345	340	335	330	325
Open Circuit Voltage(Voc/V)	41.52	41.35	41.09	40.82	40.57
Short Circuit Current(Isc/A)	10.49	10.40	10.32	10.24	10.16
Operating Voltage(Vmp/V)	34.32	34.13	33.87	33.60	33.33
Operating Current(Imp/A)	10.05	9.96	9.89	9.82	9.75
Module Efficiency(%)	20.1	19.8	19.5	19.2	18.9

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

Electrical Parameters (NMOT*)

Module Type	DH120P-345	DH120P-340	DH120P-335	DH120P-330	DH120P-325
Nominal Max. Power(Pmax/W)	254	250	246	243	239
Open Circuit Voltage(Voc/V)	38.41	38.25	38.01	37.76	37.53
Short Circuit Current(Isc/A)	8.45	8.38	8.32	8.25	8.19
Operating Voltage(Vmp/V)	31.59	31.37	31.10	30.92	30.64
Operating Current(Imp/A)	8.04	7.97	7.91	7.86	7.80

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

Back Power Gain (For 325W)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	345	355	365	375	385
Open Circuit Voltage(Voc/V)	40.57	40.57	40.58	40.58	40.58
Short Circuit Current(Isc/A)	10.79	11.10	11.40	11.71	12.02
Operating Voltage(Vmp/V)	33.33	33.33	33.34	33.34	33.34
Operating Current(Imp/A)	10.35	10.65	10.94	11.24	11.54

Mechanical Parameters

Cell size	Mono PERC 158.75×79.375mm
Module size	1708×1006×26mm(L×W×H)
Glass Thickness	2.0mm
Module Weight	21.3Kg
Output Cable	4mm ² , cable length 300mm (can be customized)
Connector	MC4 compatible
J-Box	IP68, 3 bypass diodes
Frame	Mg-Al-Zn

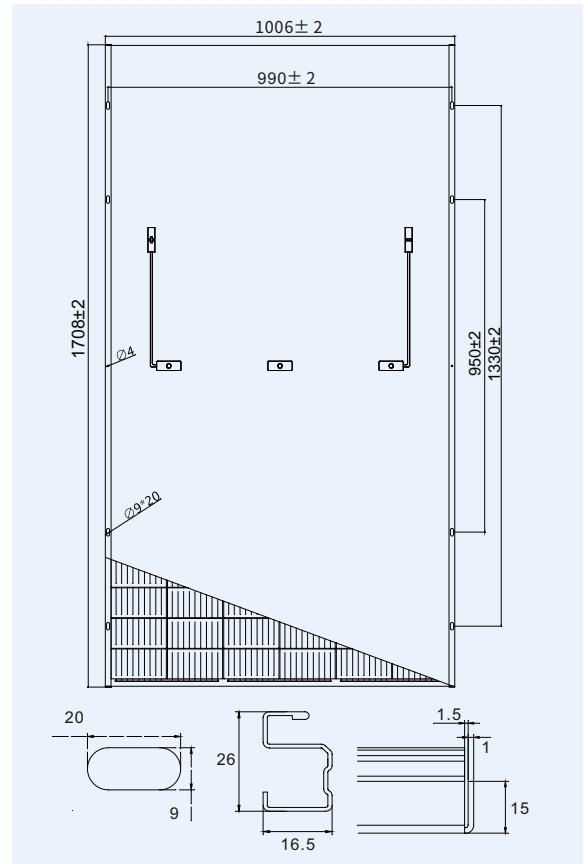
Temperature Coefficients

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

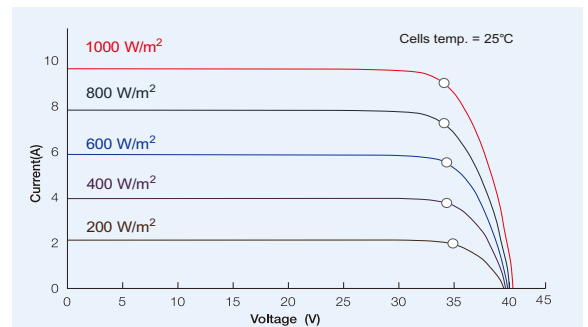
Operating Parameters

Max. System Voltage	DC1500V
Power Tolerance	0 ~ +5 W
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	20A
Front Static Load	Snow load 5400Pa, Wind load 2400Pa
Application Classification	Class A
Packing Specification	30 pcs/Pallet, 180 pcs/ 20'HQ; 720pcs/ 40'HQ;

Dimension



I-V curve



I-V curve

