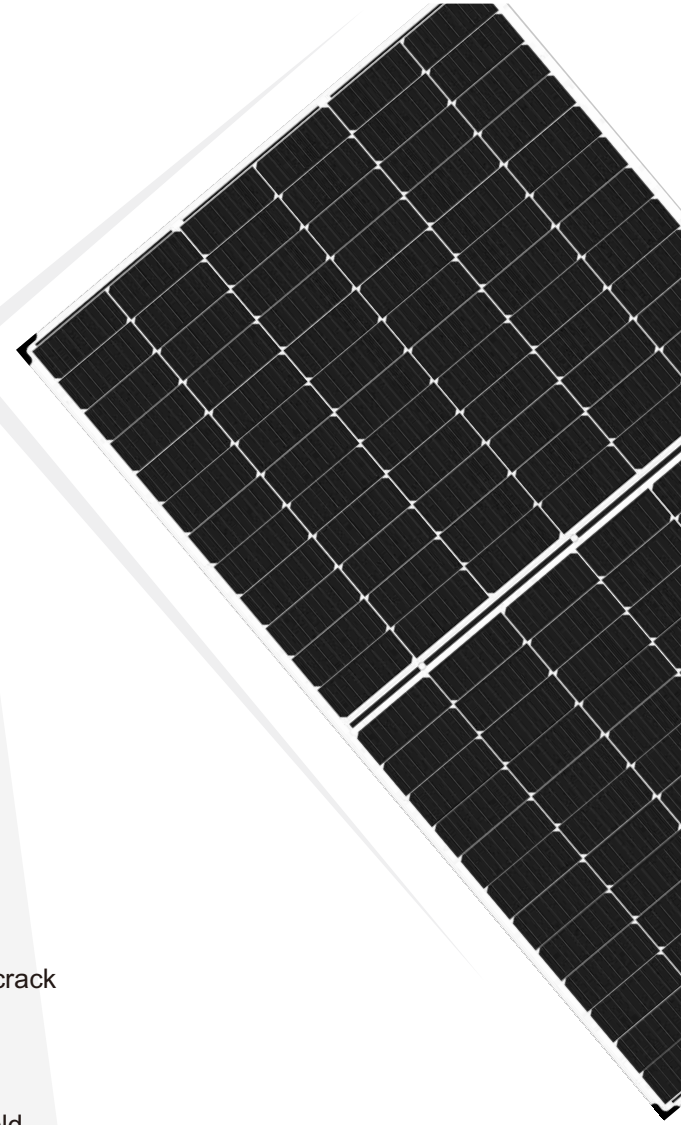




Half Cell Bifacial Module PERC

DAS-DH144P6 435W ~ 455W



High Efficiency

Module efficiency leading in industry, up to 20.5%



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



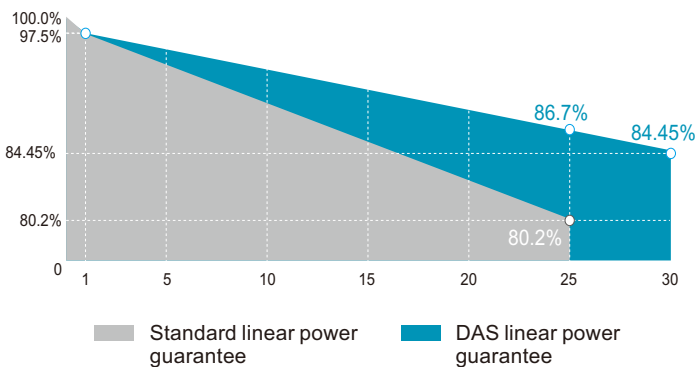
Excellent Appearance and Performance

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



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	DH144P6-455	DH144P6-450	DH144P6-445	DH144P6-440	DH144P6-435
Nominal Max. Power(Pmax/W)	455	450	445	440	435
Open Circuit Voltage(Voc/V)	50.40	50.20	49.99	49.79	49.59
Short Circuit Current(Isc/A)	11.26	11.20	11.14	11.08	11.02
Operating Voltage(Vmp/V)	42.02	41.83	41.63	41.44	41.24
Operating Current(Imp/A)	10.83	10.76	10.69	10.62	10.55
Module Efficiency(%)	20.5	20.3	20.1	19.9	19.6

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

Electrical Parameters (NMOT*)

Module Type	DH144P6-455	DH144P6-450	DH144P6-445	DH144P6-440	DH144P6-435
Nominal Max. Power(Pmax/W)	334	331	327	323	320
Open Circuit Voltage(Voc/V)	46.62	46.44	46.24	46.06	45.87
Short Circuit Current(Isc/A)	9.08	9.03	8.98	8.93	8.88
Operating Voltage(Vmp/V)	38.57	38.44	38.25	38.00	37.91
Operating Current(Imp/A)	8.66	8.61	8.55	8.50	8.44

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

Back Power Gain (For 435)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	465	480	495	510	525
Open Circuit Voltage(Voc/V)	49.59	49.59	49.60	49.60	49.60
Short Circuit Current(Isc/A)	11.76	12.13	12.50	12.88	13.25
Operating Voltage(Vmp/V)	41.24	41.24	41.25	41.25	41.25
Operating Current(Imp/A)	11.28	11.64	12.00	12.37	12.73

Mechanical Parameters

Cell size	Mono PERC 166mm*83mm
Module size	2126×1042×6mm (L x W x H)
Glass Thickness	2.5mm
Module Weight	31.5Kg
Output Cable	4mm ² , cable length 300mm (can be customized)
Connector	MC4 compatible
J-Box	IP68, 3 bypass diodes
Frame	Frameless

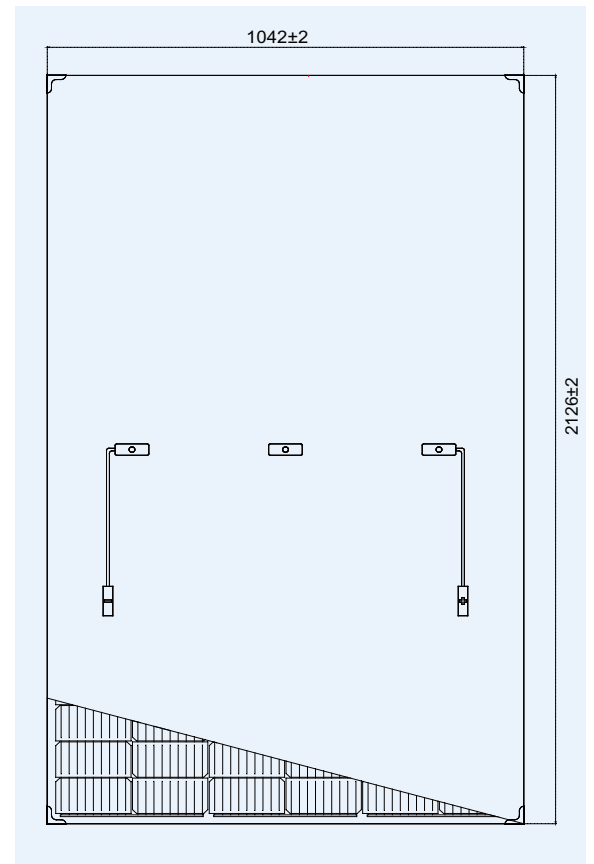
Temperature Coefficients

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

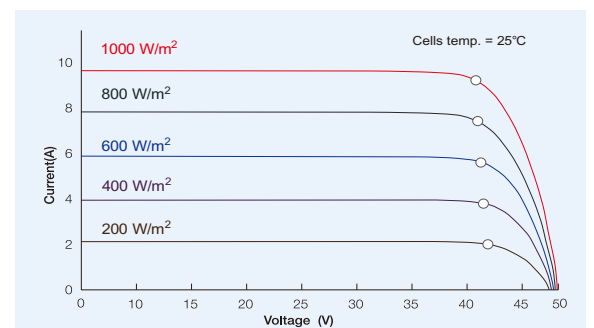
Operating Parameters

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	33 pcs/Pallet, 165 pcs/ 20'HQ; 660 pcs/ 40'HQ;

Dimension



I-V curve



I-V curve

