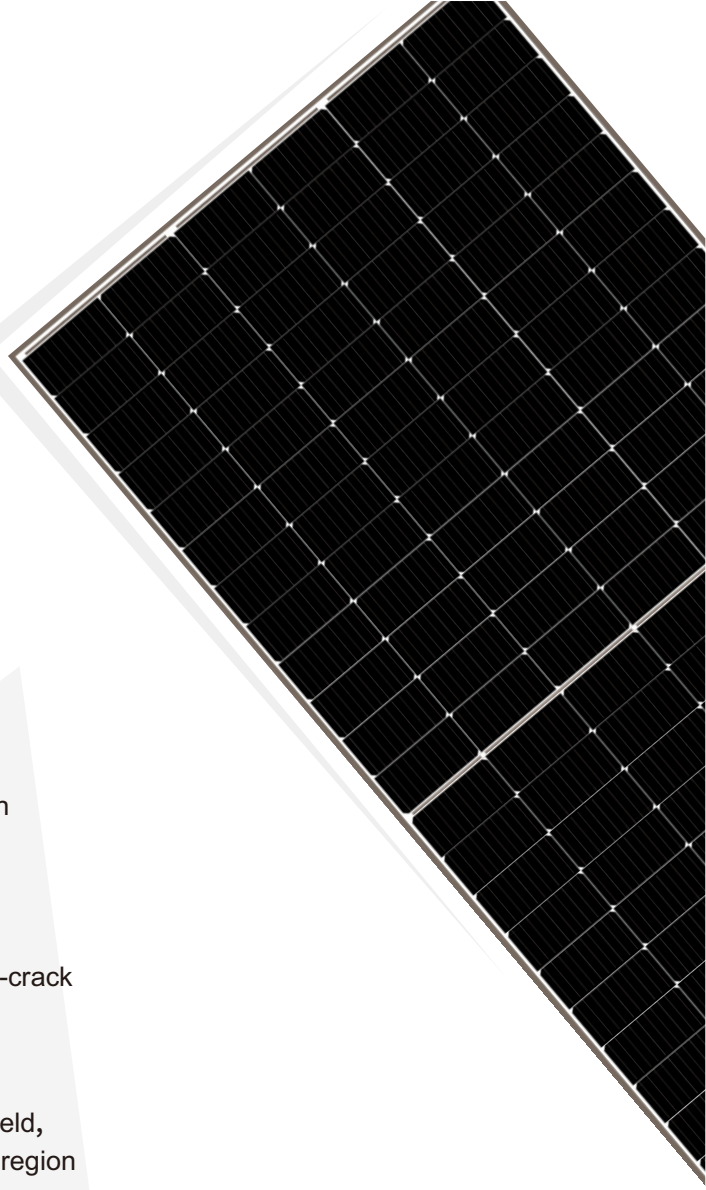
Half Cell Bifacial Module PERC

DAS-DH132NA 485W ~ 505W



High Efficiency

Module efficiency leading in industry, up to 21.3%

High Reliability

15 years materials warranty, 30 years power warranty

Dual Sides Power Generation

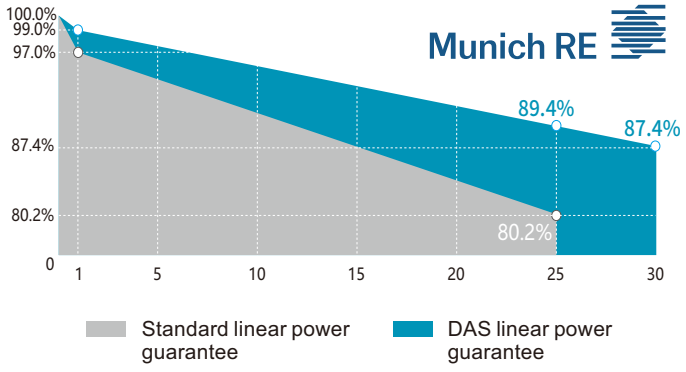
Bifaciality is up to 80%, up to 30% more energy yield than conventional modules

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
- ISO 14001:
  2015 Environmental 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

-1.00%
First year power degradation

-0.40%
Annual degradation

15 YEAR
Materials and workmanship warranty

30 YEAR
Linear power warranty

DASOLAR®
Das Solar Co., Ltd.

DAS Solar Co., Ltd. was founded in 2018, as a new energy solution provider, headquarter located in Quzhou Green Industrial Park, Zhejiang Province, focusing on R&D and manufacture of high efficient cells, modules and PV system.

Electrical Parameters (STC*)

Module Type	DH132NA-485	DH132NA-490	DH132NA-495	DH132NA-500	DH132NA-505
Nominal Max. Power(Pmax/W)	485	490	495	500	505
Open Circuit Voltage(Voc/V)	45.10	45.25	45.40	45.55	45.70
Short Circuit Current(Isc/A)	13.67	13.75	13.83	13.91	13.99
Operating Voltage(Vmp/V)	37.93	38.08	38.23	38.38	38.53
Operating Current(Imp/A)	12.79	12.87	12.95	13.03	13.11
Efficiency(%)	20.5	20.7	20.9	21.1	21.3

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

Electrical Parameters (NMOT*)

Module Type	DH132NA-485	DH132NA-490	DH132NA-495	DH132NA-500	DH132NA-505
Nominal Max. Power(Pmax/W)	356	360	364	368	371
Open Circuit Voltage(Voc/V)	41.72	41.86	42.00	42.13	42.27
Short Circuit Current(Isc/A)	11.02	11.08	11.15	11.21	11.28
Operating Voltage(Vmp/V)	34.80	34.95	35.14	35.32	35.37
Operating Current(Imp/A)	10.23	10.30	10.36	10.42	10.49

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

Back Power Gain (For 495W)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	545	569	594	619	644
Open Circuit Voltage(Voc/V)	45.40	45.50	45.50	45.50	45.50
Short Circuit Current(Isc/A)	15.22	15.85	16.54	17.23	17.91
Operating Voltage(Vmp/V)	38.23	38.33	38.33	38.33	38.33
Operating Current(Imp/A)	14.26	14.85	15.50	16.15	16.81

Mechanical Parameters

Cell size	Mono PERC 182mm*91mm
Module size	2090×1134×35mm (L x W x H)
Glass Thickness	2.0mm
Module Weight	30.0Kg
Output Cable	4mm², cable length 300mm (can be customized)
Connector	MC4 compatible
J-Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

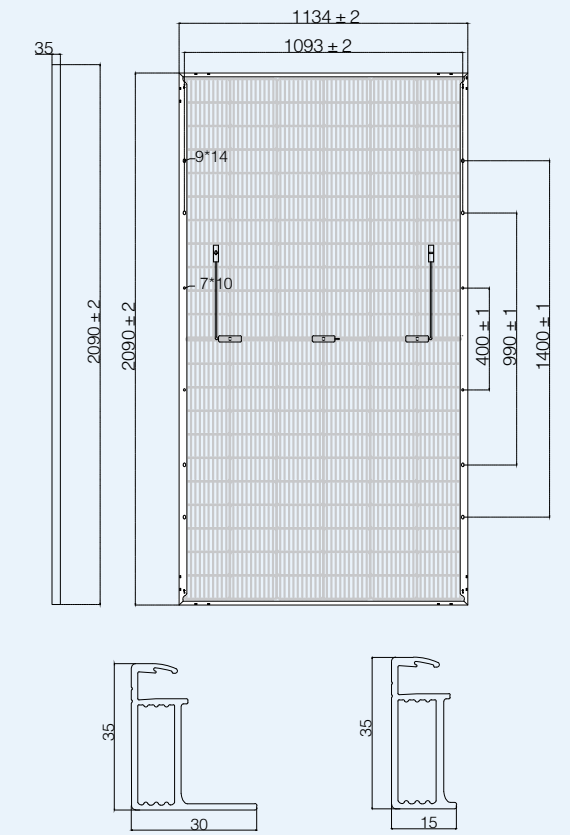
Temperature Coefficients

Short Circuit Current(Isc)	+0.045%/℃
Open Circuit Voltage(Voc)	-0.25%/℃
Nominal Max. Power(Pmax)	-0.32%/℃
NMOT	42±2℃

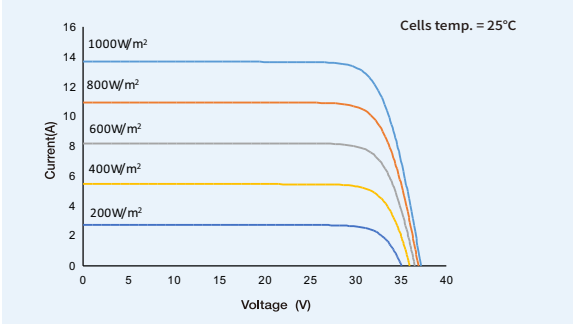
Operating Parameters

Max. System Voltage	DC1500V
Power Tolerance	0 ~ +5 W
Operating Temperatue	-40℃ ~ +85℃
Max. Fuse Rated Current	30A
Front Static Load	Snow load 5400Pa, Wind load 2400Pa
Safety Class	Class II
Packing Specification	31 pcs/Pallet, 155 pcs/ 20'GP; 682 pcs/ 40'HQ;

Dimension



I-V curve



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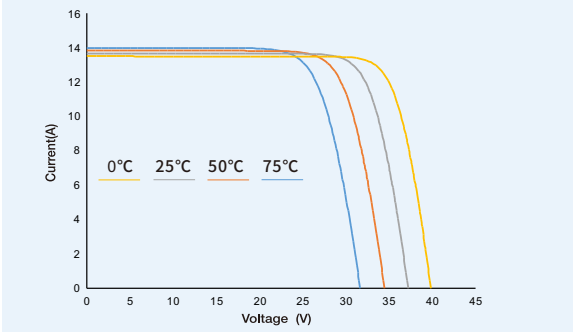

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