



Half Cell Bifacial Module PERC

DAS-DH132PA 475W ~ 495W



High Efficiency

Module efficiency leading in industry, up to 20.9%



High Reliability

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



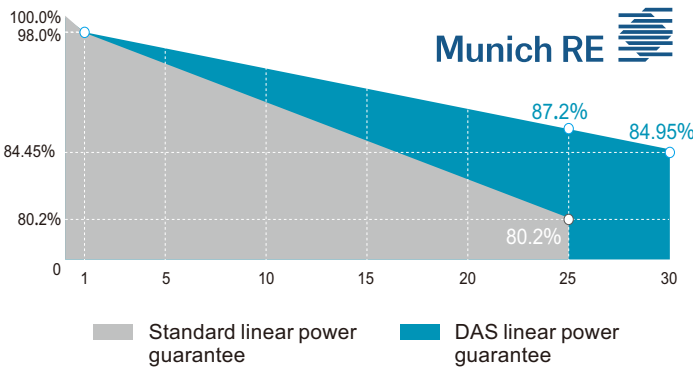
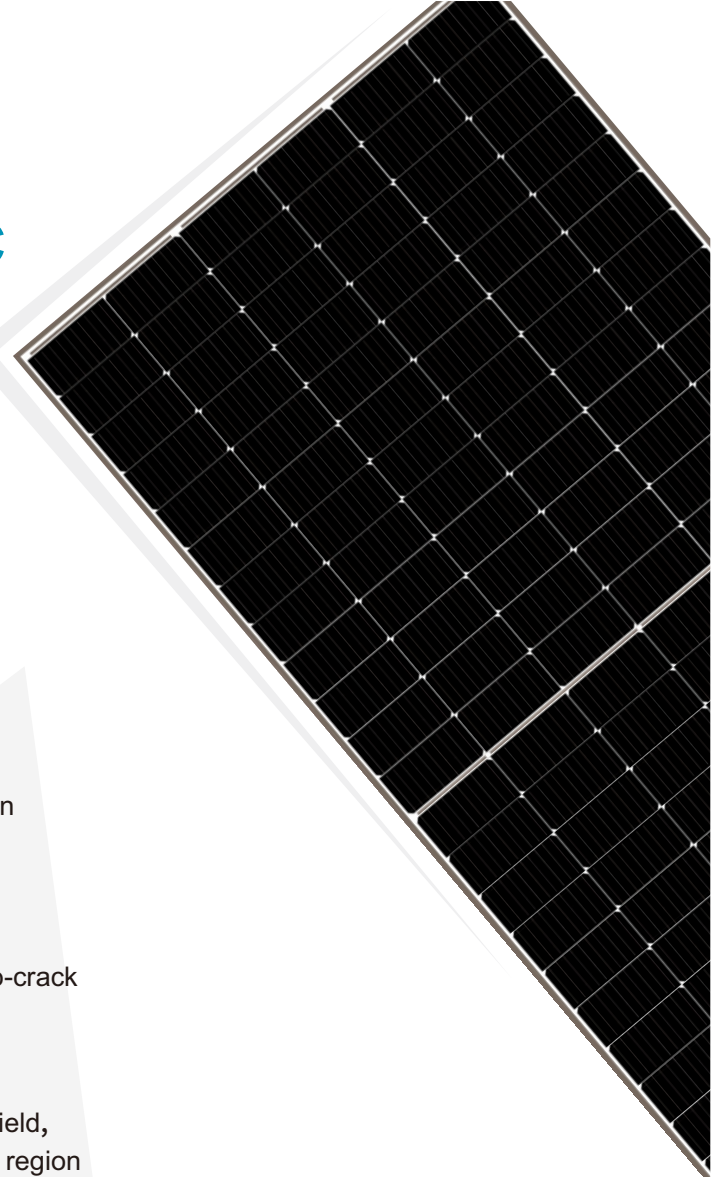
Excellent Appearance and Performance

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
- 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

-2.00%
First year power degradation
-0.45%
Annual degradation

15 YEAR
Materials and workmanship warranty

30 YEAR
Linear power warranty



Electrical Parameters (STC*)

Module Type	DH132PA-475	DH132PA-480	DH132PA-485	DH132PA-490	DH132PA-495
Nominal Max. Power(Pmax/W)	475	480	485	490	495
Open Circuit Voltage(Voc/V)	44.78	44.94	45.10	45.25	45.40
Short Circuit Current(Isc/A)	13.51	13.59	13.67	13.75	13.83
Operating Voltage(Vmp/V)	37.61	37.77	37.93	38.08	38.23
Operating Current(Imp/A)	12.63	12.71	12.79	12.87	12.95
Efficiency(%)	20.0	20.3	20.5	20.7	20.9

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

Electrical Parameters (NMOT*)

Module Type	DH132PA-475	DH132PA-480	DH132PA-485	DH132PA-490	DH132PA-495
Nominal Max. Power(Pmax/W)	349	353	356	360	364
Open Circuit Voltage(Voc/V)	41.42	41.57	41.72	41.86	42.00
Short Circuit Current(Isc/A)	10.89	10.95	11.02	11.08	11.15
Operating Voltage(Vmp/V)	34.55	34.71	34.80	34.95	35.14
Operating Current(Imp/A)	10.10	10.17	10.23	10.30	10.36

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

Back Power Gain (For 490W)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	539	564	588	619	637
Open Circuit Voltage(Voc/V)	45.25	45.35	45.35	45.35	45.35
Short Circuit Current(Isc/A)	15.12	15.78	16.45	17.14	17.81
Operating Voltage(Vmp/V)	38.08	38.18	38.18	38.18	38.18
Operating Current(Imp/A)	14.16	14.78	15.41	16.06	16.69

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	4mm ² , cable length 300mm (can be customized)
Connector	MC4 compatible
J-Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

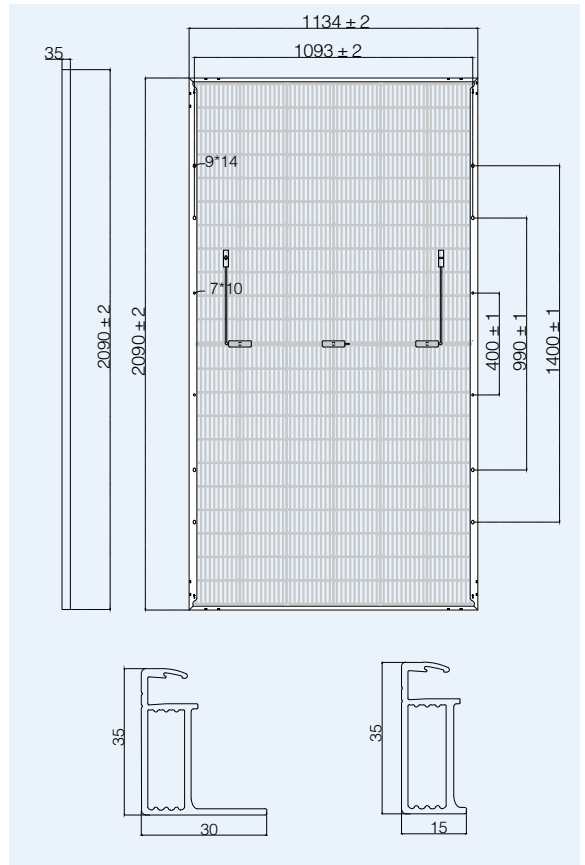
Temperature Coefficients

Short Circuit Current(Isc)	+0.048%/°C
Open Circuit Voltage(Voc)	-0.28%/°C
Nominal Max. Power(Pmax)	-0.35%/°C
NMOT	42±2°C

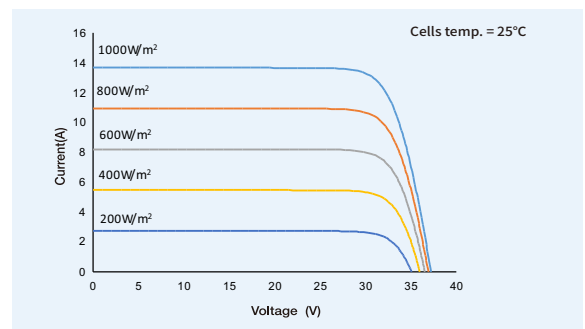
Operating Parameters

Max. System Voltage	DC1500V
Power Tolerance	0 ~ +5 W
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	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



I-V curve

