

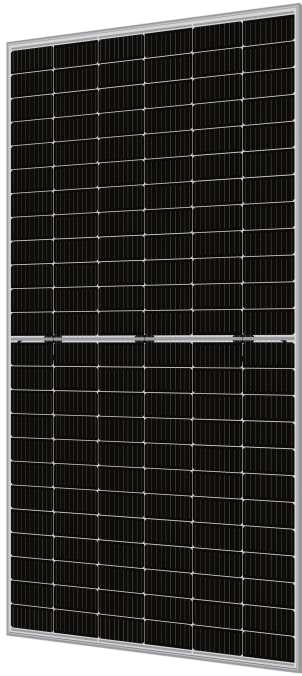
N Type P Type



P Type Bifacial Double Glass Module

Made in China

Module Type: DAS-DH144PA Module Power: 530W~555W



555W

Maximum Power Output

21.5%

Maximum Module Efficiency

0~+5W

Power Output Tolerance

-2.00%

1st-year Degradation

-0.45%

Annual Degradation

15
YEAR

Materials and workmanship warranty

30
YEAR

Linear power warranty

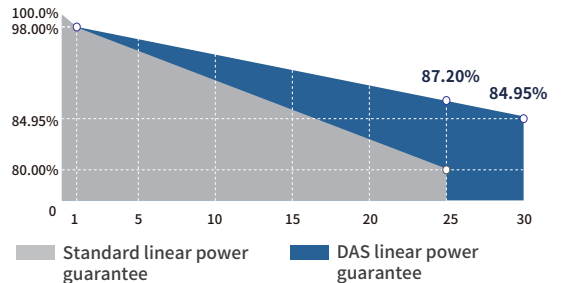
Product and Quality Certifications

IEC 61215, IEC 61730

ISO 9001: 2015 Quality Management System

ISO 14001: 2015 Environment Management System

ISO45001: 2018 EHS Management System



Key Features



High Efficiency

Module efficiency leading in industry, up to 21.5%



Double Sided Power Generation

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



Excellent Appearance and Performance

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



Reduce Mismatch Loss

Half-cut cell technology provides optimized energy production under inter-row shading conditions



High Reliability

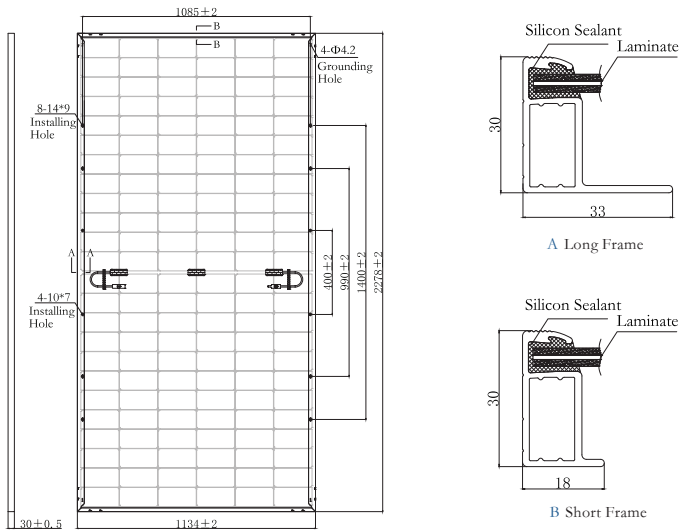
15 years materials warranty, 30 years power warranty



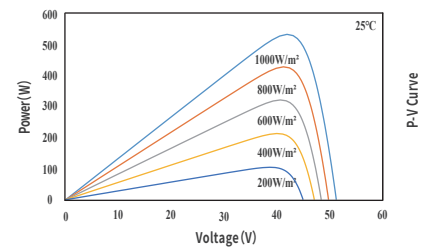
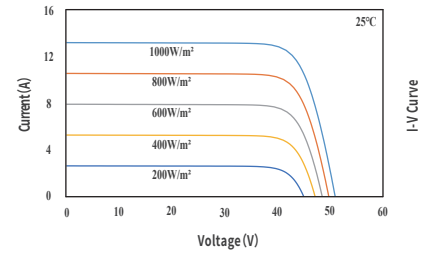
Extensive Application Scenes

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

Engineering Drawing (MM)



Characteristic Curves(545W)



Electrical Properties (STC *)

Testing Condition	Front	Front	Front	Front	Front	Front
Nominal Max. Power(Pmax/W)	530	535	540	545	550	555
Open Circuit Voltage(Voc/V)	49.16	49.36	49.52	49.68	49.84	50.03
Short Circuit Current(Isc/A)	13.72	13.77	13.84	13.91	13.98	14.04
Operating Voltage(Vmp/V)	41.31	41.51	41.67	41.83	41.99	42.18
Operating Current(Imp/A)	12.83	12.89	12.96	13.03	13.10	13.16
Efficiency(%)	20.5	20.7	20.9	21.1	21.3	21.5

STC * : Irradiance = 1000 W/m², Cell Temperature = 25°C, AM = 1.5

Mechanical Parameters

Cell size	P Type
Module size	2278×1134×30mm
Glass Thickness	2.0mm
Module Weight	31.4Kg
Output Cable	4mm ² , cable length 300mm (can be customized)
Connector	1.QC4.10-cd,2.PV-KST4-EVO2/xy_UR (male),PV-KBT4-EVO2/xy_UR(female) 3.PV-ZH202B,4.YC4,5.QC4.10-cds,6.PV-TT02,7.PV-JK03M2/xy(Plug+Socket)
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

Back Power Gain (For 535W)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	588.5	615.3	642.0	668.8	695.5
Open Circuit Voltage(Voc/V)	49.36	49.46	49.46	49.46	49.46
Short Circuit Current(Isc/A)	15.15	15.84	16.52	17.21	17.90
Operating Voltage(Vmp/V)	41.51	41.61	41.61	41.61	41.61
Operating Current(Imp/A)	14.18	14.79	15.43	16.07	16.71

Parameters Tolerance

Power Tolerance	±3%
Open Circuit Voltage Tolerance	±2%
Short Circuit Current Tolerance	±4%

Operating Parameters

Max. System Voltage	DC1500V
Power Tolerance	0 ~ +5 W
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	30A
Designed Mechanical Load	Positive 3600Pa, Negative 1600Pa
Packing Data	36 pcs/Pallet; 180(20GP); 720(40HQ)

Temperature Coefficients

Short Circuit Current(Isc)	+0.048%/°C
Open Circuit Voltage(Voc)	-0.260%/°C
Nominal Max. Power(Pmax)	-0.340%/°C

