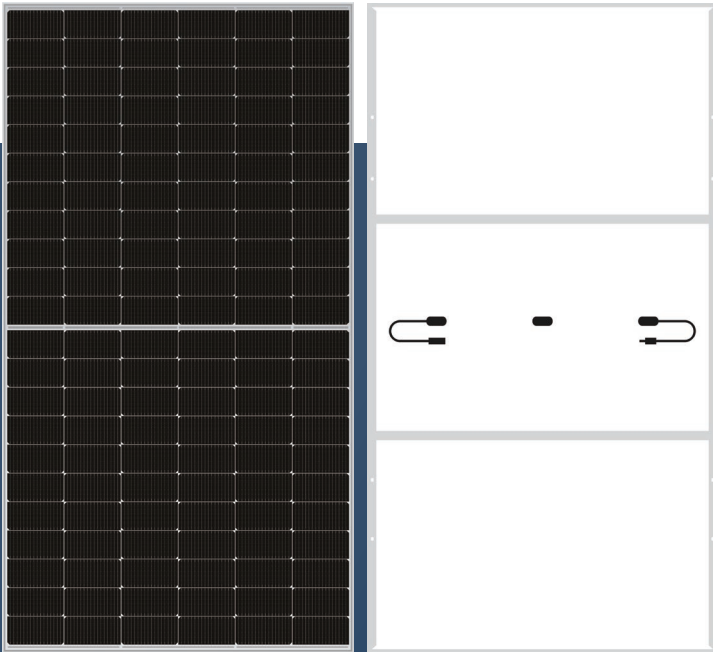


Lightweight Half-Cell Module DAS-LF132PA

455W~475W



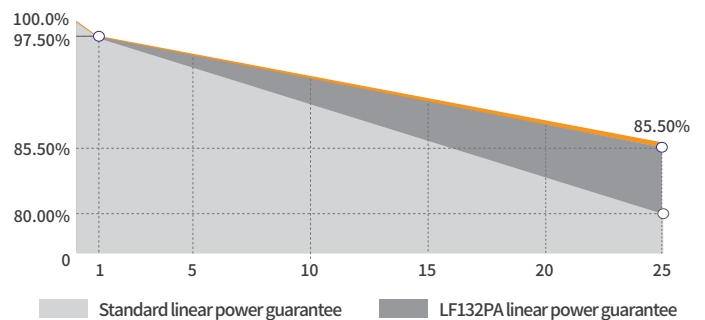
Key Features

- Lightweight**
 Optimized composite materials, 50% lighter at the same power
- Half Cell, SMBB Technology**
 Series-then-parallel cell connection design, more reliable soldering technology
- Low NMOT**
 As low as 43°C, improving the power generation efficiency
- Easy transportation and installation**
 Original design making it far less costly for transportation and installation
- Customization**
 Customization for various scenarios, high additional value
- Superior Low Irradiance Performance**
 Excellent low irradiance performance, increase power generation in low-light conditions like mornings, evenings and cloudy days

Maximum Power Output	Maximum Module Efficiency	Power Output Tolerance
475W	19.7%	0~+5W

Product and Quality Certifications

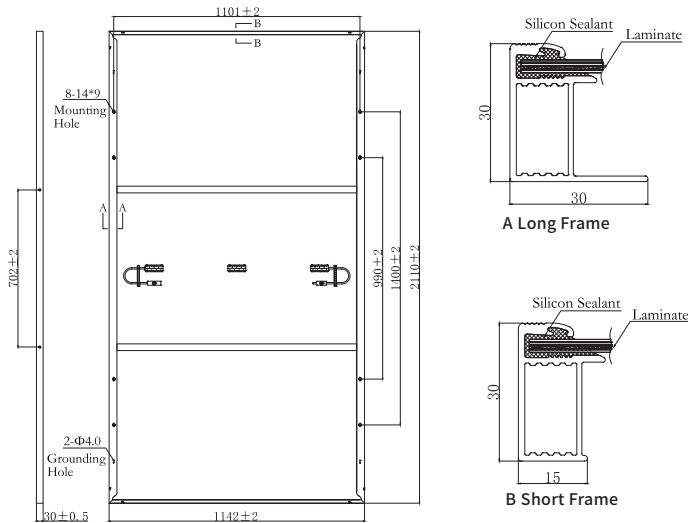
- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety Management System



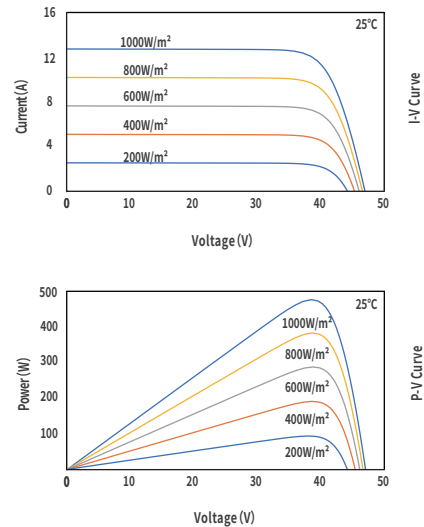
Leading product and power warranty

-2.50% 1st-year Degradation -0.50% Annual Degradation 12 Materials and workmanship warranty 25 Linear power warranty

Engineering Drawing (mm)



Characteristic Curves(470W)



Electrical Parameters (STC *)

Nominal Max. Power(Pmax/W)	455	460	465	470	475
Open Circuit Voltage(Voc/V)	45.50	45.65	45.79	45.93	46.06
Short Circuit Current(Isc/A)	12.67	12.76	12.85	12.93	13.02
Operating Voltage(Vmp/V)	37.72	37.87	38.01	38.15	38.28
Operating Current(Imp/A)	12.06	12.15	12.24	12.32	12.41
Efficiency(%)	18.9	19.1	19.3	19.5	19.7

STC * : Irradiance = 1000 W/m², Cell Temperature = 25°C, AM = 1.5
Test condition is based on the front side

Mechanical Parameters

Cell Type	P Type
Module Size	2110×1142×30mm
Module Thickness	30mm
Module Weight	11.3Kg
Output Cable	4mm ² , cable length 250mm (can be customized)
Connector	See note
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy
Connector*	1.PV-DA01M2-XY (DAS Solar) 2.PV-ZH202B (Zhejiang Zhonghuan)

Electrical Parameters (NMOT *)

Nominal Max. Power(Pmax/W)	341.7	345.5	349.2	353.0	356.7
Open Circuit Voltage(Voc/V)	43.35	43.50	43.63	43.76	43.89
Short Circuit Current(Isc/A)	10.21	10.28	10.35	10.42	10.49
Operating Voltage(Vmp/V)	35.16	35.30	35.43	35.57	35.69
Operating Current(Imp/A)	9.72	9.79	9.86	9.93	9.99

NMOT *: Irradiance = 800 W/m², Ambient Temperature = 20°C, AM = 1.5,
Wind Speed = 1 m/s
Test condition is based on the front side

Temperature Coefficients

Short Circuit Current(Isc)	+0.038%/°C
Open Circuit Voltage(Voc)	-0.262%/°C
Nominal Max. Power(Pmax)	-0.341%/°C
NMOT	43±2°C

Operating Parameters

Max. System Voltage	DC1500V
Power Measurement Tolerance	±3%
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	22A
Fire Safety Class	Class C
Static Load	Front 5400Pa, Back 2400Pa

Packing Data

Packing Type	20'GP	40'HQ
Piece/Pallet	36	36
Pallet/Container	5	22
Piece/Container	180	792