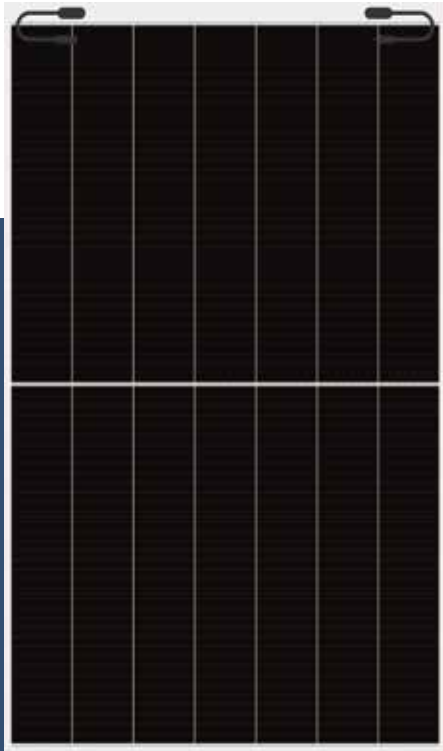


Lightweight
High Density Module
DAS-LOJP

415W~430W



Key Features

- Lightweight**
Optimized composite materials, 60% lighter at the same power
- Flexible**
Flexional encapsulating and patent materials
- Excellent Appearance and Performance**
Esthetics module design, no flare effect, "0" risk of micro crack
- 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

430W

Maximum Module Efficiency

20.8%

Power Output Tolerance

0~+5W

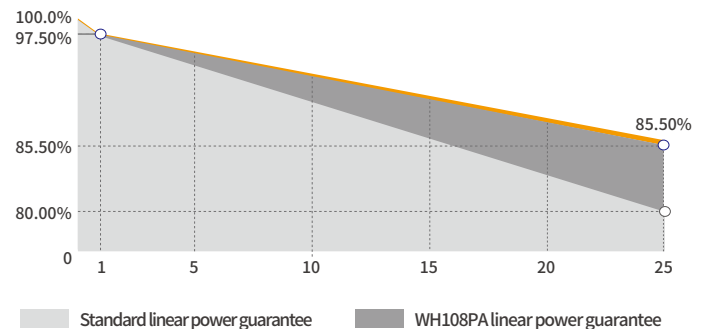
Product and Quality Certifications

IEC 61215, IEC 61730

ISO 9001: Quality Management System

ISO 14001: Environment Management System

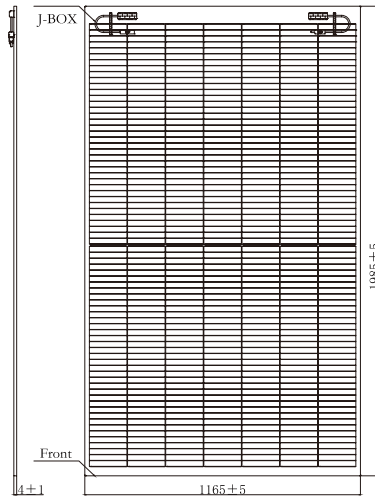
ISO 45001: Occupational Health and Safety Management System



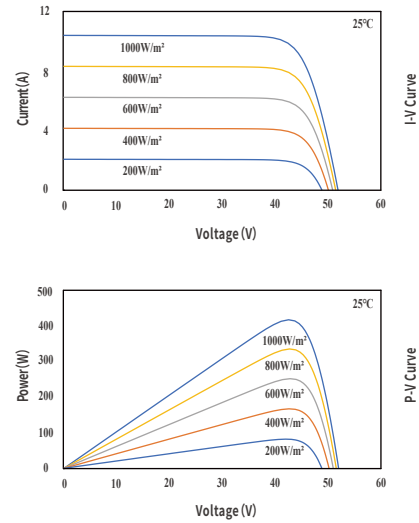
Leading product and power warranty

-2.50% 1st-year Degradation -0.50% Annual Degradation 10 Materials and workmanship warranty 25 Linear power warranty

Engineering Drawing (mm)



Characteristic Curves(420W)



Electrical Parameters (STC *)

Nominal Max. Power(Pmax/W)	415	420	425	430
Open Circuit Voltage(Voc/V)	49.34	49.38	49.42	49.46
Short Circuit Current(Isc/A)	10.70	10.81	10.92	11.03
Operating Voltage(Vmp/V)	41.63	41.67	41.71	41.75
Operating Current(Imp/A)	9.97	10.08	10.19	10.30
Efficiency(%)	20.0%	20.3%	20.5%	20.8%

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

Electrical Parameters (NMOT *)

Nominal Max. Power(Pmax/W)	308.0	312.0	316.0	319.0
Open Circuit Voltage(Voc/V)	45.65	45.68	45.71	45.75
Short Circuit Current(Isc/A)	8.62	8.71	8.80	8.89
Operating Voltage(Vmp/V)	38.69	38.72	38.75	38.77
Operating Current(Imp/A)	7.97	8.06	8.15	8.24

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)	+0.048%/°C
Open Circuit Voltage(Voc)	-0.26%/°C
Nominal Max. Power(Pmax)	-0.340%/°C
NMOT	43±2°C

Mechanical Parameters

Cell Type	P Type
Module Size	1985×1165×4mm
Module Thickness	4.0mm
Module Weight	9.9Kg
Output Cable	4mm ² , cable length 300mm (can be customized)
Connector	MC4 compatible
Junction Box	IP68, 2 bypass diodes
Back Color	Black / White

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 2400Pa, Wind load 2400Pa

Packing Data

Packing Type	20'GP	40'HQ
Piece/Pallet	60	60
Pallet/Container	8	18
Piece/Container	480	1080

