

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

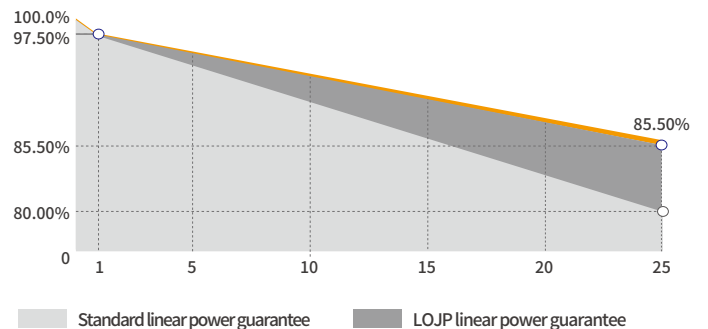
Product and Quality Certifications

IEC 61215, IEC 61730

ISO 9001: Quality Management System

ISO 14001: Environment Management System

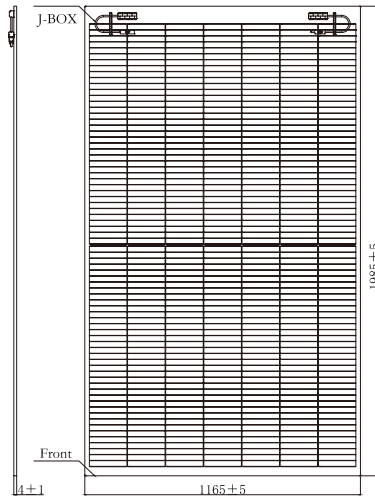
ISO 45001: Occupational Health and Safety Management System



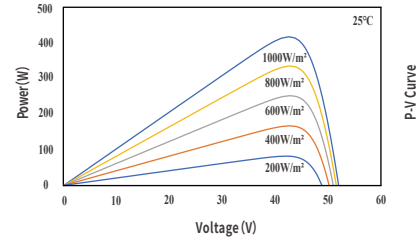
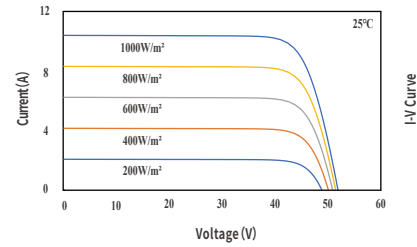
Leading product and power warranty

-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)	50.40	50.45	50.50	50.55
Short Circuit Current(Isc/A)	10.51	10.58	10.65	10.72
Operating Voltage(Vmp/V)	41.71	41.91	42.11	42.31
Operating Current(Imp/A)	9.95	10.03	10.10	10.17
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)	305.0	308.7	312.4	316.1
Open Circuit Voltage(Voc/V)	46.12	46.16	46.21	46.25
Short Circuit Current(Isc/A)	8.47	8.53	8.58	8.64
Operating Voltage(Vmp/V)	38.32	38.47	38.66	38.85
Operating Current(Imp/A)	7.96	8.02	8.08	8.14

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	18A
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

