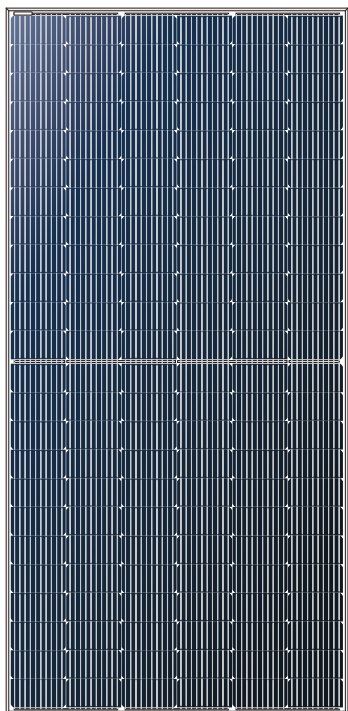




JIAXING OLIVE PHOTOVOLTAIC TECHNOLOGY CO.,LTD



OLV-(520~545)-72M-HEAH

1133*2256mm

Silver border / White back panel

12 years power output not less than 91.4%

25 years power output not less than 84%

12 years product material process warranty

48 hours quick response service

Low light conditions (cloudy and
early morning evening)

Excellent performance

Module features

Efficient perc battery & Battery cutting technology

High efficiency perc battery with multi main gate can effectively reduce the cost of single watt system with higher output power; The product has excellent performance in shielding loss and temperature coefficient,

Combined with battery cutting technology, the risk of hot spot of high-power components is effectively reduced, which shows better performance in system application
Power generation performance and reliability.

Load capacity

Bearing snow load of up to 5400pa and wind load of 2400pa and Hail test with diameter of 25 mm and impact speed of 23 m / S

2 EI checks

2 EI inspections per cell/module for defect-free consistency

Low light performance

Excellent performance in low light environment through the use of excellent glass and battery chip surface velvet Technology

Severe environmental adaptability

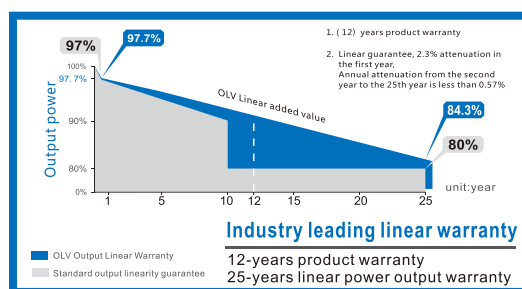
High salt and ammonia resistance test certified by TUV SUD

Power measurement guarantee

0 ~ + 4.99w guaranteed positive tolerance

12 years product warranty

25 years linear power output warranty



IEC 61215, IEC 61730 IEC TS 62941 (Quality System)



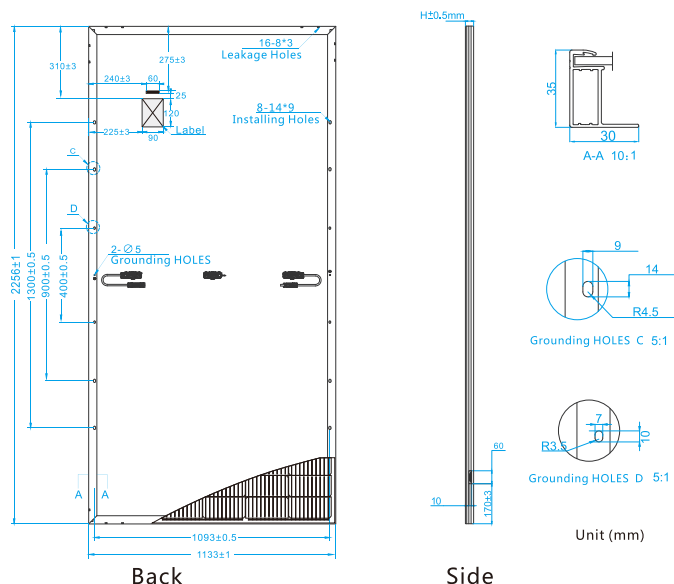
Chuangye Road No. 188, New material industrial Area.

Tongyuan, Haiyan, Jiaxing, Zhejiang Province, China

www. olivesolar.net oliver@olivesolar.net



Engineering Drawings



Mechanical characteristics

| | |
|---------------|--|
| Cell Type | Monocrystalline 182*182mm , |
| No.of cells | 144 (6 x 24) pieces in series and parallel |
| Dimension | 1133*2256*35mm |
| Weight | 32.5Kg |
| Glass | High transparency, low iron, AR coated tempered glass 3.2 mm |
| Frame | Anodized aluminum alloy |
| Junction Box | IP68 rated, with 3 bypass diode |
| Output Cables | 4 mm ² (EU)/12 AWG (US), 300mm Cable length |

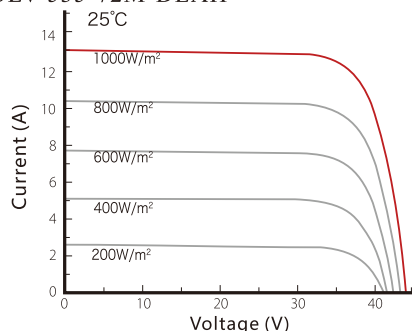
Note: frame / back panel color & cable length can be customized as required

Packaging Configuration

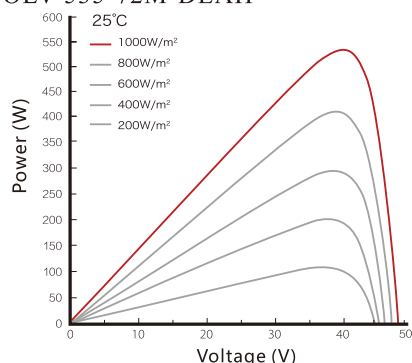
| | | |
|-------------------------|--------------|-------------------------|
| Packaging Configuration | 31pcs/pallet | (Two pallets=One stack) |
| | | 62pcs/stack |
| | | 620pcs/40'HQ Container |

I-V Curve

I-V Curves at Different Irradiances
OLV-535-72M-DEAH



Power curve under different irradiance
OLV-535-72M-DEAH



Electrical Performance (STC)

| | | | | | | |
|----------------------------------|-------|-------|-------|-------|-------|-------|
| Model Number | 520 | 525 | 530 | 535 | 540 | 545 |
| Maximum Power (Pmax/W) | 520 | 525 | 530 | 535 | 540 | 545 |
| Open Circuit Voltage (Voc/V) | 48.92 | 49.07 | 49.22 | 49.37 | 49.52 | 49.67 |
| Short Circuit Current (Isc/A) | 13.28 | 13.43 | 13.58 | 13.73 | 13.88 | 14.03 |
| Voltage at Maximum Power (Vmp/V) | 40.66 | 40.83 | 41.00 | 41.16 | 41.32 | 41.48 |
| Current at Maximum Power (Imp/A) | 12.79 | 12.86 | 12.93 | 13.00 | 13.07 | 13.14 |
| Module Efficiency(%) | 20.3% | 20.5% | 20.7% | 20.9% | 21.1% | 21.3% |

Electrical Performance (NOTC)

| | | | | | | |
|----------------------------------|-------|-------|-------|-------|-------|-------|
| Model Number | 520 | 525 | 530 | 535 | 540 | 545 |
| Maximum Power (Pmax/W) | 402.3 | 406.7 | 411.2 | 415.6 | 420.0 | 424.5 |
| Open Circuit Voltage (Voc/V) | 45.72 | 45.87 | 46.02 | 46.17 | 46.32 | 46.47 |
| Short Circuit Current (Isc/A) | 11.11 | 11.26 | 11.41 | 11.56 | 11.71 | 11.86 |
| Voltage at Maximum Power (Vmp/V) | 37.56 | 37.73 | 37.90 | 38.06 | 38.22 | 38.38 |
| Current at Maximum Power (Imp/A) | 10.71 | 10.78 | 10.85 | 10.92 | 10.99 | 11.06 |

Working parameters

| | |
|--|-------------|
| Operational Temperature | -40°C~+85°C |
| Maximum System Voltage | 1500V DC |
| Maximum Series Fuse Rating | 25A |
| Power Output Tolerance | 0~+4.99W |
| Voc and Isc Tolerance | ±3% |
| Nominal Operating Cell Temperature(NOTC) | 45±2°C |
| Safety Class | Class II |
| Fire Rating | Class A |

Temperature Ratings(STC)

| | |
|---------------------------------|------------|
| Temperature Coefficient of Pmax | -0.35%/°C |
| Temperature Coefficient of Voc | -0.28%/°C |
| Temperature Coefficient of Isc | +0.044%/°C |

Mechanical Loading

| | |
|-----------------------------------|--------------------------------------|
| Front Side Maximum Static Loading | 5400Pa |
| Rear Side Maximum Static Loading | 2400Pa |
| Hailstone Test | 25mm Hailstone at the speed of 23m/s |

Note: the electrical performance parameters in the product catalog do not refer to a single component, nor are they the contents promised in the contract. Electrical parameters are only used for comparison between different component types. Oliver does not guarantee their accuracy.

Due to continuous updating, R & D and product improvement, Oliver reserves the right to adjust the information in this technical parameter document at any time without prior notice.

STC(Standard test environment): AM1.5, Irradiance 1000W/m² , 25°C)

NOCT(Nominal operating temperature of cell):AM1.5, Irradiance 800W/m² , Ambient 20°C, Wind 1m/s