

ALX-255M



Company Profile

Alex Solar manufactures and produces crystalline silicon solar cells and solar modules with production facilities based in Shanghai.

We have a vertically integrated business model beginning with wafers, cells and modules and our current production capacity is 600 MW.

Quality and Warranty

- 10 year limited warranty on material and workmanship
- 12 year warranty on power output to not fall below 90%
- 25 year warranty on power output to not fall below 80%
- ISO 9001:2008 (Quality Management System) certified factory
- Certified by UL, TUV, CE, RINA, MCS and CEC
- Products meet the IEC61215, IEC61730, and UL1703 standards
- Insured by US Chubb Insurance and Alltrust Insurance Brokers & Risk Consultants Co., Ltd.

Characteristics

- High cell efficiency ensures high power performance even at low irradiation
- High-performing modules have an industry low tolerance of 3%
- Module stability and reliability due to high-quality raw materials
- Reliable schottky bypass diode minimizes power drop by shade
- All weather-resistant junction box and crosslink cable
- Withstands high wind force up to 2400Pa and heavy snowloads of up to 5400Pa

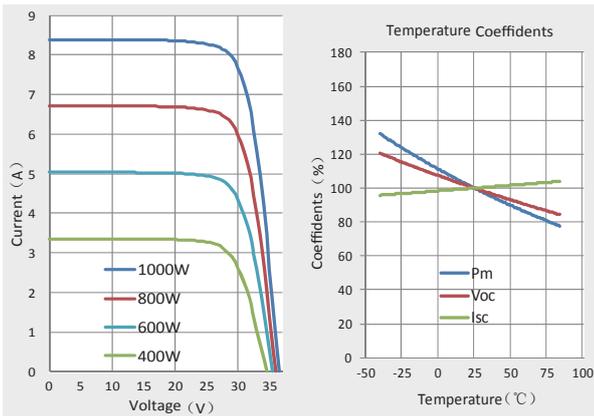




Typical Electrical Characteristics

| Type | ALM-250D-18 | ALM-255D-18 | ALM-260D-18 | ALM-265D-18 | ALM-270D-18 |
|--|---|-------------|-------------|-------------|-------------|
| Maximum Power (Pmax) | 250W | 255W | 260W | 265W | 270W |
| Power Tolerance | 3% | 3% | 3% | 3% | 3% |
| Open Circuit Voltage(Voc) | 37.9V | 38.2V | 38.4V | 38.5V | 38.6V |
| Short Circuit Current (Isc) | 8.75A | 8.81A | 8.83A | 8.84A | 8.85A |
| Maximum Power Voltage (Vmp) | 31.3V | 31.6V | 31.9V | 32.3V | 32.6V |
| Maximum Power Current(Imp) | 7.99A | 8.07A | 8.15A | 8.21A | 8.28A |
| Cell Efficiency | 17.8% | 18.2% | 18.5% | 18.9% | 19.2% |
| Module Efficiency | 15.4% | 15.7% | 16.0% | 16.3% | 16.6% |
| Max. System Voltage | 1000 VDC | | | | |
| Cell Size and Series | 6" (156mm)*6" (156mm) mono 60pcs(6*10) | | | | |
| Bypass Diodes | 3pcs 15A | | | | |
| Temperature Coefficients of Pmax | -0.446%/C | | | | |
| Temperature Coefficients of Voc | -0.322%/C | | | | |
| Temperature Coefficients of Isc | +0.060%/C | | | | |
| NOCT- Nominal Operating Cell Temperature | 45 C (±2) | | | | |
| Standard Test Condition | Irradiance level 1,000W/m ² , Spectrum AM 1.5, and Cell Temperature 25 C | | | | |

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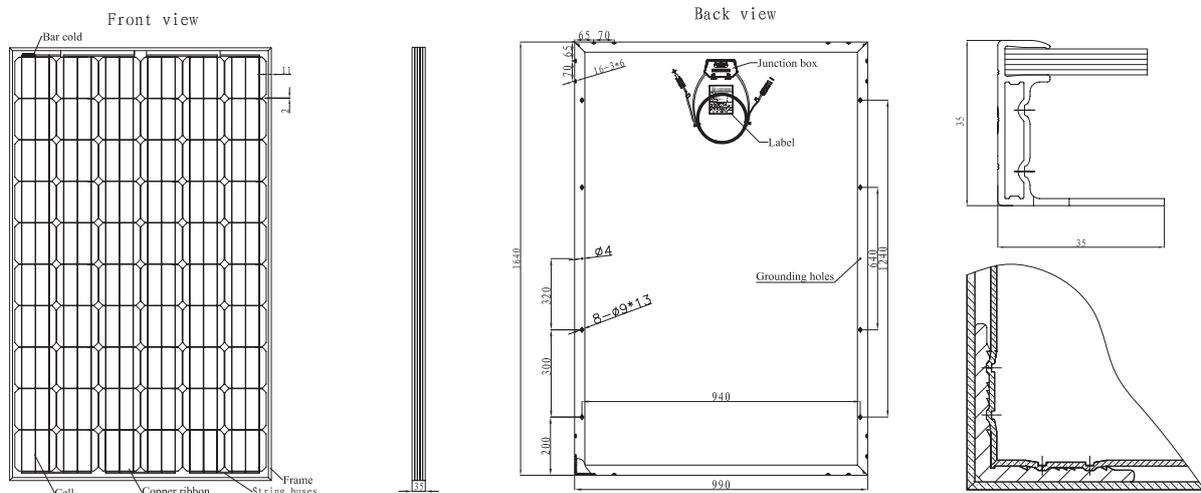
Mechanical Characteristics

| | |
|-------------------------------|--|
| Surface Maximum Load Capacity | 2,400Pa |
| Allowable Hail Load | 227g steel ball fall down from 1m height |
| Glass Type | High Transmits, Low Iron, 3.2mm Tempered Glass |
| Frame | Aluminium-alloy |
| Dimensions (mm) | 1,640mm(L)×990mm(W)×35mm(H) |
| Weight(kg) | 20kgs |
| Dielectric Insulation Voltage | 3000VDC max |
| Operating Temperature | -40 ~ +85 C |
| Storage Temperature | -40 ~ +85 C |
| Cable Length | 900mm |

Package Information

| | |
|--------|-----------------|
| Carton | 29pcs/ctn |
| Pallet | 58pcs/plt |
| 40"HQ | 14plts (812pcs) |

Dimensions



Specifications are subject to change without further notification

