

AJP-M654 Series 215W-240W Multi-Crystalline Photovoltaic Modules

Electrical Performance @ STC^{*1}

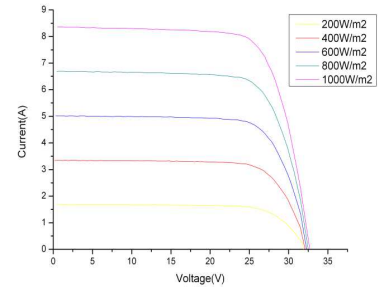
| Maximum Power | Pmax[Wp] | 215 | 220 | 225 | 230 | 235 | 240 |
|-------------------------------|----------|--------------------------------------|-------|-------|-------|-------|-------|
| Power Tolerance ^{*2} | | +/-3% | +/-3% | +/-3% | +/-3% | +/-3% | +/-3% |
| Solar Cell Type | | Multi-crystalline 6" (156 x 156 mm) | | | | | |
| Number of Solar Cells | | 54 (6 x 9) | | | | | |
| Maximum Power Voltage | Vmp[V] | 26.94 | 27.25 | 27.47 | 27.84 | 28.15 | 28.37 |
| Maximum Power Current | Imp[A] | 7.98 | 8.07 | 8.19 | 8.26 | 8.35 | 8.46 |
| Open Circuit Voltage | Voc[V] | 33.69 | 33.91 | 34.07 | 34.34 | 34.62 | 34.78 |
| Short Circuit Current Isc | Isc[A] | 8.51 | 8.65 | 8.81 | 8.93 | 9.05 | 9.2 |
| Module Efficiency | [%] | 14.7% | 15.0% | 15.3% | 15.7% | 16.0% | 16.4% |

*1 STC: Irradiance level 1000 W/m²; Spectral AM1.5; Temperature 25°C

*2 Power tolerance can be adjusted upon requests

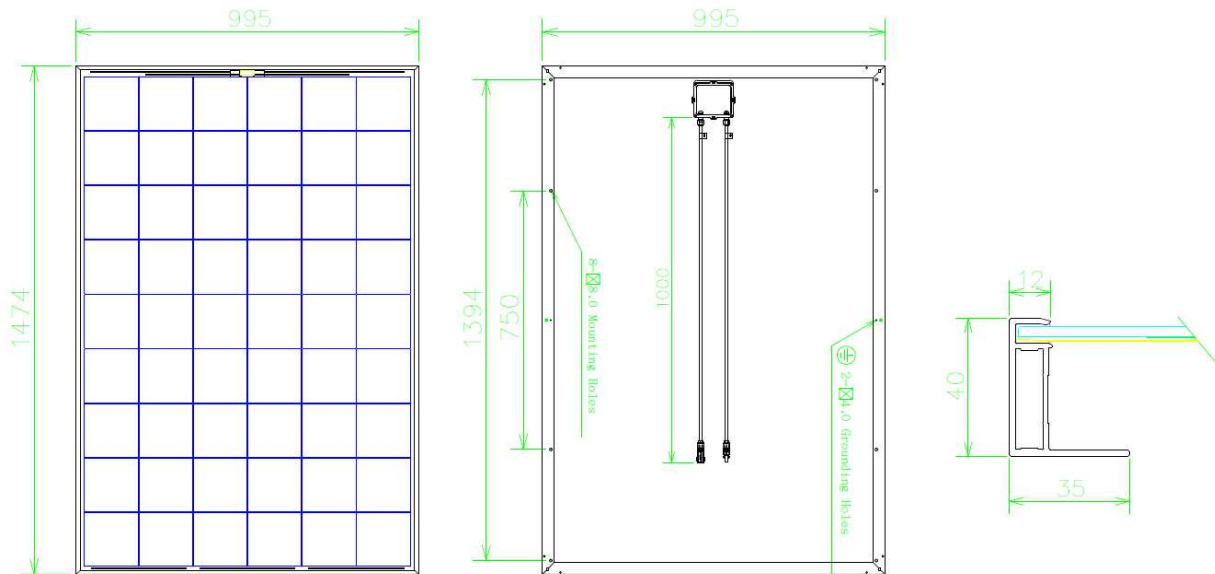
*3 NOCT: 46±2°C

IV Curve



Mechanical Characteristics

| | |
|--|---|
| Dimensions of the Module (W×H×D)(mm) | 1474X995X40 |
| Weight of the Module(kg) | 17.5 |
| Junction box | IP 65/ IP 67 or above with 3 bypass diodes ; cables 1M/φ 4mm ² |
| Series fuse rating Inside Junction Box | 15A |



Warranty

Product Warranty:

5 years for material and workmanship

Performance Guarantee:

90% for 10 years Guaranteed output

80% for 25 years Guaranteed output

Working Condition

Maximum System Voltage: 600V, 1000V

Operating Temperature: -40 ~ 85°C

Maximum Static Load: Snow load 5400pa

Wind load 2400pa

Temperature Coefficient

Isc Temperature Coefficient: α(%/°C) +0.08

Voc Temperature Coefficient: β(%/°C) -0.34

Pmax Temperature Coefficient: γ(%/°C) -0.43

Certificate



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* Specification are subject to change without notice

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