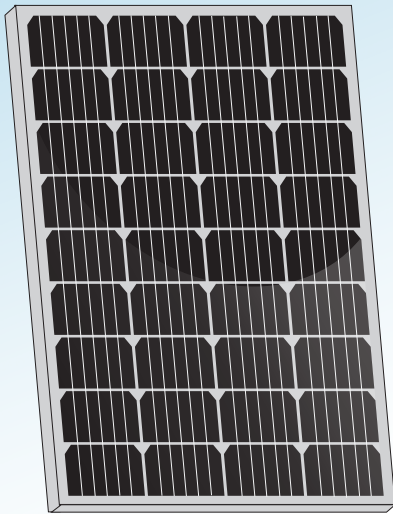
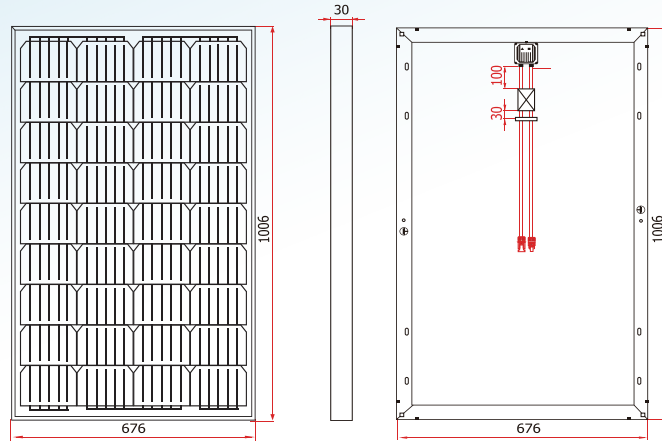


Mono-Crystalline Solar Module

100-125 Watt



PHYSICAL CHARACTERISTICS Unit: mm



ELECTRICAL SPECIFICATIONS

| Model Type | DS-100M6-36 | DS-105M6-36 | DS-110M6-36 | DS-115M6-36 | DS-120M6-36 | DS-125M6-36 |
|---------------------------------|---------------|-------------|-------------|-------------|-------------|-------------|
| Nominal Maximum Power (Pmax) | 100 | 105 | 110 | 115 | 120 | 125 |
| Optimum Operating Voltage (Vmp) | 18.00V | 18.00V | 18.03V | 18.03V | 18.08V | 18.10V |
| Optimum Operating Current (Imp) | 5.56A | 5.84A | 6.10A | 6.38A | 6.64A | 6.91A |
| Open Circuit Voltage (Voc) | 21.44V | 21.56V | 21.67V | 21.75V | 21.87V | 22.05V |
| Short Circuit Current (Isc) | 6.05A | 6.36A | 6.62A | 6.88A | 7.12A | 7.36A |
| Module Efficiency | 14.70% | 15.44% | 16.18% | 16.91% | 17.65% | 18.38% |
| Cell Efficiency | 17.20% | 18.10% | 18.90% | 19.80% | 20.60% | 21.40% |
| Power Tolerance | 0 to +3% | | | | | |
| Maximum System Voltage | DC 1000V | | | | | |
| Operating Temperature | -40 C ~ +85 C | | | | | |
| Maximum Series Fuse Rating | 15A | | | | | |
| Number of Bypass Diode | 2 | | | | | |

MECHANICAL DATA

| | |
|------------------|---|
| Cell Type | 156mm x 104mm |
| Cell Arrangement | 36 cells in series |
| Dimensions | 1006 x 676 x 30 mm |
| Weight | 8.23kg |
| Front Cover | 3.2mm tempered glass |
| Frame Material | Anodized aluminium alloy |
| J-Box | IP65, 2 diodes |
| Cable | 2.5mm ² , 900mm(650mm is optional) |
| Connectors | MC4 or MC4 compatible |

TEMPERATURE CHARACTERISTICS

| | |
|-------------------------------------|---------------|
| Temperature Coefficient (Pmax) | - 0.438% / °C |
| Temperature Coefficient (Voc) | - 0.297% / °C |
| Temperature Coefficient (Isc) | 0.037% / °C |
| Norminal Operating Cell Temperature | 45 ± 2 °C |

ELECTRICAL CHARACTERISTICS

