



KW-255~275M-60

Typical Electrical Characteristics



| Solar cells: | Mono-Crystalline Silicon 156x156mm 60pcs.(6x10)-3bus bars | | | | |
|---|--|--------|--------|-------|-------|
| Maximum Power (Pmax) | 255Wp | 260Wp | 265Wp | 270Wp | 275Wp |
| Maximum Power Voltage (Vmp) | 30.8V | 30.9V | 31.2V | 31.4V | 31.6V |
| Maximum Power Current (Imp) | 8.28A | 8.42A | 8.50A | 8.60A | 8.70A |
| Open-circuit Voltage (Voc) | 37.8V | 37.9V | 38.2V | 38.4V | 38.5V |
| Short-circuit Current (Isc) | 8.96A | 9.10A | 9.19A | 9.28A | 9.40A |
| Module Efficiency STC (%) | 15.58% | 15.89% | 16.19% | 16.5% | 16.8% |
| Operating Temperature(°C) | -40°C~+85°C | | | | |
| Maximum system voltage | 1000VDC (IEC) | | | | |
| Maximum series fuse rating | 15A | | | | |
| Power tolerance | 0~+3% | | | | |
| Temperature coefficients of Pmax | -0.40%/°C | | | | |
| Temperature coefficients of Voc | -0.29%/°C | | | | |
| Temperature coefficients of Isc | 0.05%/°C | | | | |
| Nominal operating cell temperature (NOCT) | 45±2°C | | | | |

*STC Conditions(1000W/m²; 1.5AM and 25°C Cell temperature)

Mechanical Characteristics

| | |
|--------------------------------|--|
| Cable type,Diameter and Length | Φ=4mm ² ,L=1000±5mm |
| Type of Connector | Compatible type Mc4 |
| Dimension AxBxC | 1640x992x40mm(64.57x39.06x1.57inch) |
| Weight | 19.6kg(43.1lbs) |
| No.of Draining Holes In Frame | 16 |
| Construction | Glass:High Transmission, Low Iron, Tempered Glass 3.2mm Encapsuiation:EVA Back side:Tedlar,white |
| Junction Box | IP 67 |
| Frame | Clear anodized aluminum alloy type 6063T6 frame; |

Qualification Test Parameters

| | |
|-------------------------------|----------------------------|
| Dielectric Insulation Voltage | 3000VDC max |
| Operating Temperature | -40°C to+85°C |
| Max load | 5400 Pa |
| Hailstone impact | 25mm(1inch)at 23m/s(52mph) |

Packaging Configuration

| | | |
|-------------------------|---------------|---------------|
| Packaging Configuration | 25pcs./box | 25pcs./box |
| Quantity Pallet | 12pallets | 28pallets |
| Loading Capacity | 300pcs./20'GP | 700pcs./40'HQ |

High Efficiency
Monocrystalline Solar Module

WARRANTY

Product:12 years
Power production:90% 10 years
Power production:80% 25 years

