



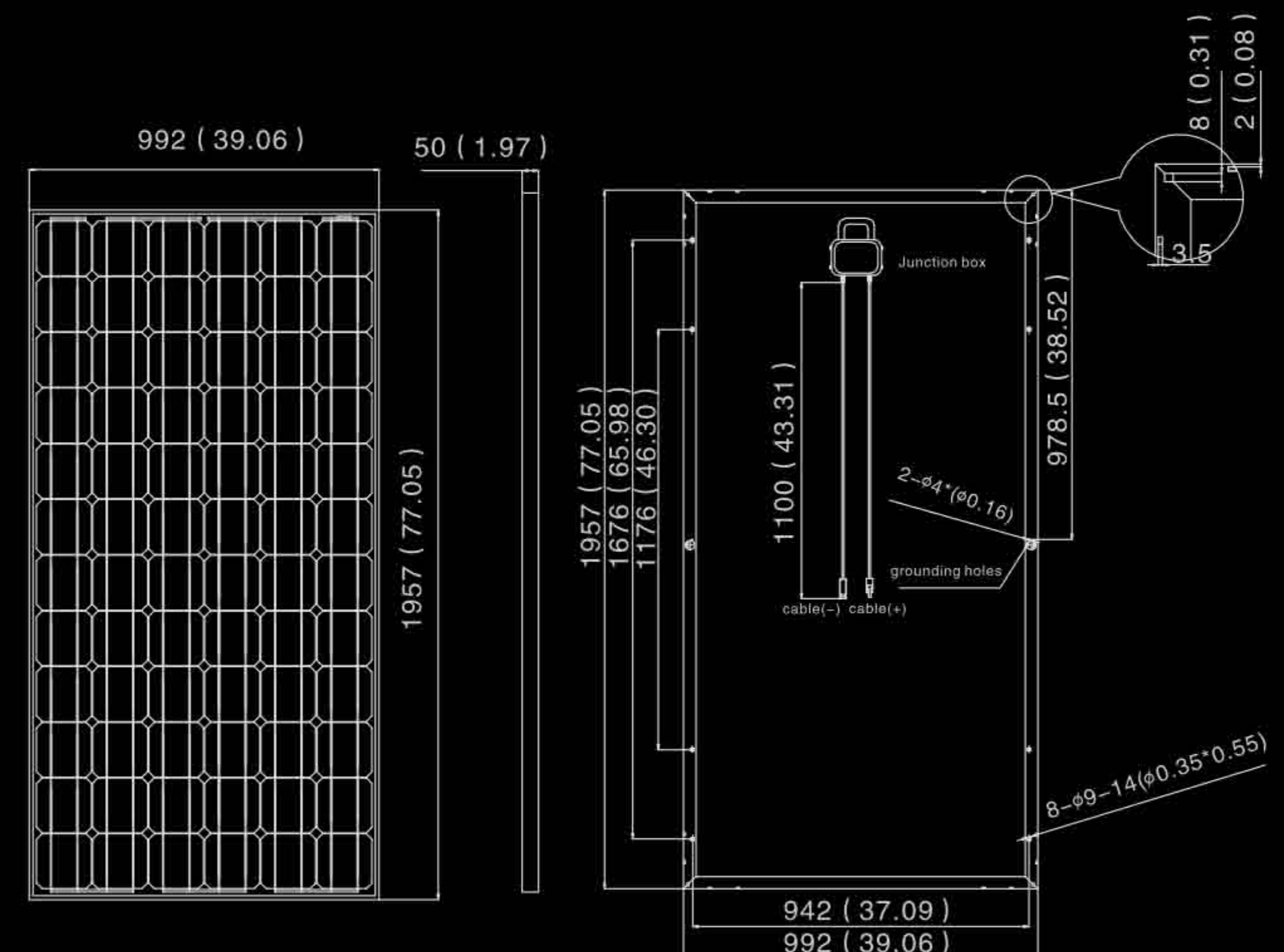
| STC | 250-310 watt photovoltaic module MONO | | | | | | | | | | | | |
|------------------------------|---------------------------------------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
| Maximum Power Voltage(Vmp) | 34.3V | 34.65V | 35.00V | 35.25V | 35.49V | 35.72V | 35.95V | 36.3V | 36.65V | 37.14V | 37.62V | 37.69V | 37.76V |
| Maximum Power Current(Imp) | 7.29A | 7.36A | 7.44A | 7.52A | 7.62A | 7.69A | 7.79A | 7.85A | 7.92A | 7.94A | 7.98A | 8.10A | 8.21A |
| Open Circuit Voltage(Voc) | 44.00V | 44.05V | 44.1V | 44.12V | 44.15V | 44.23V | 44.31V | 44.4V | 44.49V | 44.55V | 44.62V | 44.85V | 44.95V |
| Short Circuit Current(Isc) | 7.96A | 8.02A | 8.07A | 8.13A | 8.16A | 8.21A | 8.26A | 8.34A | 8.42A | 8.49A | 8.56A | 8.59A | 8.64A |
| Maximum Power at STC(Pmax) | 250W | 255W | 260W | 265W | 270W | 275W | 280W | 285W | 290W | 295W | 300W | 305W | 310W |
| Module Efficiency | 12.9% | 13.1% | 13.4% | 13.7% | 13.9% | 14.2% | 14.4% | 14.7% | 14.9% | 15.2% | 15.5% | 15.7% | 16.0% |
| Operating Module Temperature | -40°C ~ +85°C | | | | | | | | | | | | |
| Maximum System Voltage | DC 1000V | | | | | | | | | | | | |
| Maximum Series Fuse Rating | 10A | | | | | | | | | | | | |
| Power Tolerance | +3/-0% | | | | | | | | | | | | |
| Mechanical Loading | 5400Pa | | | | | | | | | | | | |

STC:Irradiance 1000W/m², module temperature 25°C, AM=1.5;

Mechanical Characteristics

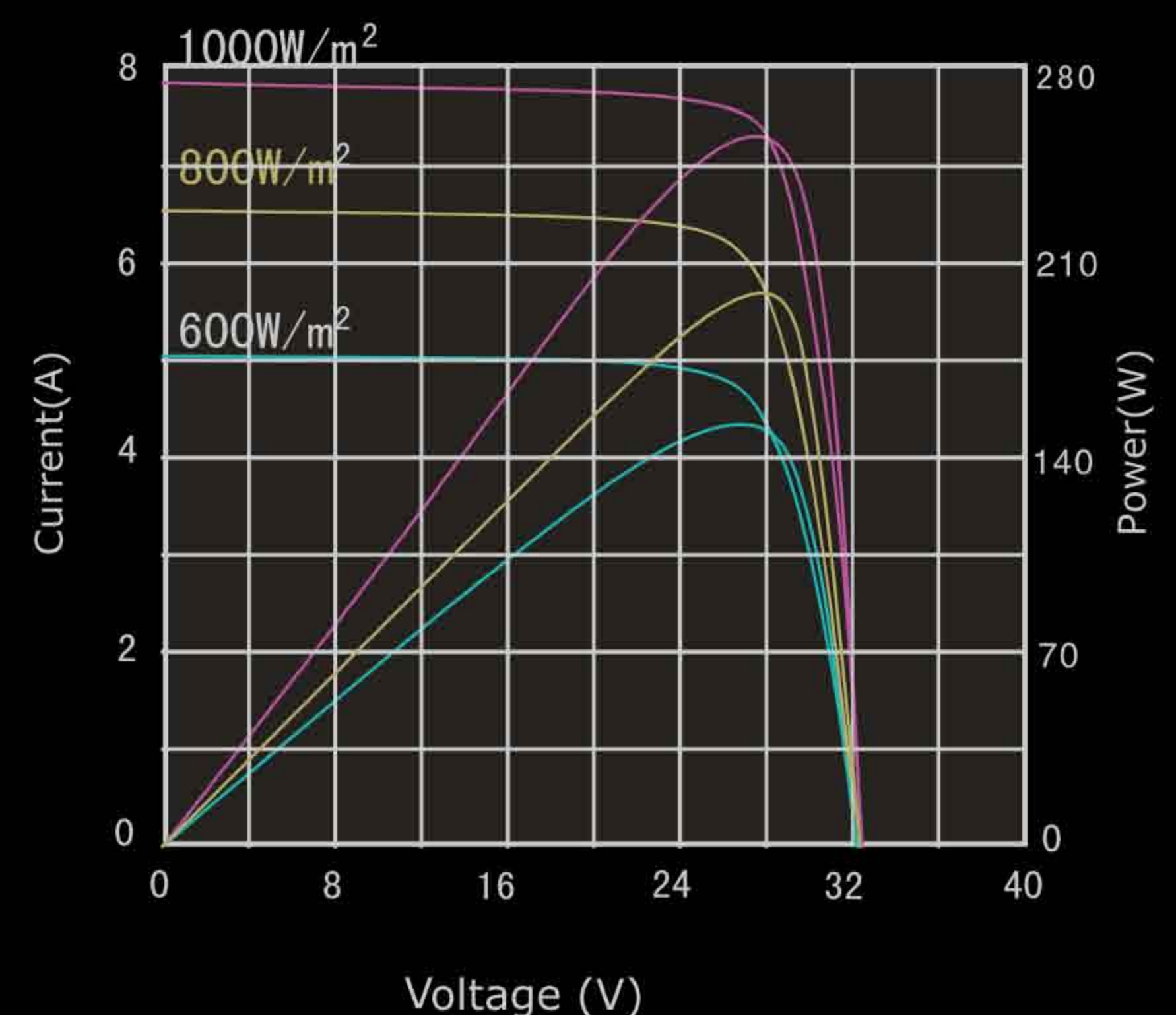
| | |
|---------------|--|
| Solar Cell | Mono Crystalline Silicon 156 × 156mm(6 inches) |
| No.of Cells | 72(6 × 12) |
| Dimensions | 1957 × 992 × 50mm(77.05 × 39.06 × 1.97 inches) |
| Weight | 23.0Kg(50.71 lbs) |
| Front Glass | 3.2mm(0.13 inches)tempered glass |
| Frame | Anodized aluminium alloy |
| Junction Box | Ip65 rated |
| Output Cables | 4.0mm ² (0.006 inches ² ,symmetrical lengths(-) 1000mm(39.37 inches)and(+))1000mm(39.37 inches) |
| Connectors | MC4 connectors |

PHYSICAL CHARACTERISTICS Unit:mm(inch)



ELECTRICAL CHARACTERISTICS

Electrical performance
(cell temperature: 25°C)



Temperature Characteristics

| | |
|--|------------|
| Nominal Operating Cell Temperature(NOCT) | 48 ± 2°C |
| Temperature Coefficient of Pmax | -0.5%/°C |
| Temperature Coefficient of Voc | -0.379%/°C |
| Temperature Coefficient of Isc | +0.04%/°C |

Packing Configuration

50mm frame

| | | | |
|-----------------------|-----|-----|-----|
| Container | 20 | 40 | 40G |
| Pieces per pallet | 5 | 11 | 11 |
| Pallers per container | 40 | 40 | 44 |
| Pieces per container | 200 | 440 | 484 |

Raytech Solar Systems Ltd

Headquarter raytech.solar@raytechsolarsystems.com

Global Technology Services tradeacting@raytechsolarsystems.com

administration@raytechsolarsystems.com