

iT36PCS POLY SERIES 1020X670X30MM

Electrical parameters

Electrical parameters at STC(1.000W/m²), 25°C, AM 1.5 according to EN 60904-3

| | | |
|---------------------------|-----|----------|
| Module type | [P] | iT100P36 |
| Power output | [W] | 100 |
| Power output tolerances | [%] | ±3 |
| Module efficiency | [%] | 16.0 |
| Voltage at Pmax, Vmpp | [V] | 18.05 |
| Current at Pmax, Impp | [A] | 5.54 |
| Open circuit voltage Voc | [V] | 21.90 |
| Short circuit current Isc | [A] | 5.92 |

Parameters of thermal characteristics

| | | |
|--|-------|---------|
| NOCT (Nominal Operating Cell Temperatures) | [°C] | 46±2 |
| Temperature coefficient beta of Isc | [1/k] | +0.0006 |
| Temperature coefficient alpha of Voc | [1/k] | -0.0037 |
| Temperature coefficient gamma of Pmpp | [1/k] | -0.0045 |

Mechanical parameters

| | |
|--------------------------------|--------------------------------|
| Dimensions(mm) | 1020*670*30 |
| Weight(kg) | 11.5 |
| Cell type(quantity/technology) | 36/polycrystalline/156x104mm |
| Encapsulation materials | Ethylene Vinyl Acetate(EVA) |
| Frame | Robust anodized aluminum alloy |

Working conditions

| | |
|-----------------------------|------------------------|
| Maximum system voltage | DC 1000V(TUV)/600V(UL) |
| Operating temperature | -40°C~+85°C |
| Maximum series fuse | 15A |
| Max.wind load/Max.snow load | 2400Pa/5400Pa |
| Grounding conductivity | <0.1 |
| Insulation resistance | ≥100M |
| Application class | Class A |

iT 100P-36

Polycrystalline 36 cells 100watt

