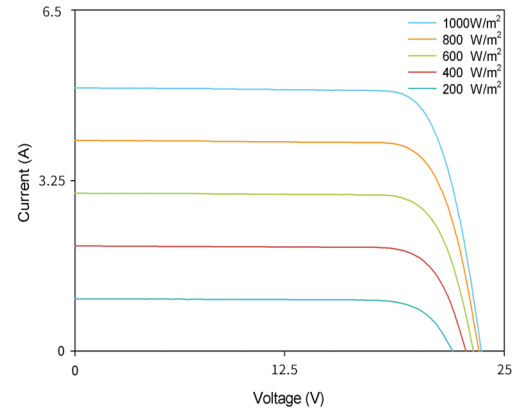


OMNIA SERIES MONO 90 WATT

| ELECTRICAL PARAMETERS | | STC | | NOCT | |
|-------------------------|------------------|-----|----------|----------|--|
| Power Output | P_{max} | W | 90 | 65.52 | |
| Power Output Tolerances | ΔP_{max} | % | -5%~+10% | -5%~+10% | |
| Voltage at Pmax | V_{mpp} | V | 18.08 | 16.89 | |
| Current at Pmax | I_{mpp} | A | 4.98 | 3.88 | |
| Open-Circuit Voltage | V_{oc} | V | 21.28 | 19.88 | |
| Short Circuit Current | I_{sc} | A | 5.78 | 4.66 | |
| Max System | V_{SYS} | V | 60 | 60 | |

STC : 1000W/m², 25°C, 1.5AM

NOCT : 800W/m², 45±2°C, 1m/s wind speed



Temperature Characteristics

| | | | |
|------------------------------------|----------------|------|-----------|
| Nominal Operating Cell Temperature | NOCT | °C | 45 ± 2 °C |
| Temperature Coefficient of Pmax | γ | %/°C | -0.45 |
| Temperature Coefficient of Voc | β_{Voc} | %/°C | -0.33 |
| Temperature Coefficient of Isc | α_{Isc} | %/°C | +0.039 |
| Temperature Coefficient of Vmpp | β_{Vmpp} | %/°C | -0.33 |

Mechanical Characteristics

| | |
|-----------------------|---|
| Cell Type | Mono Crystalline Silicon |
| Module Dimension (mm) | L665 x W826 x H25 |
| Module Weight | 6.04 kg |
| Front Layer | 3.2 mm Tempered Glass |
| Encapsulant | Ethylene-Vinyl Acetate |
| Frame | Anodized Alluminum Alloy, Silver Color, 25 mm |
| Junction Box | IP 64 |
| Cable | 16 AWG |
| Back Layer | PV Backsheet, White |

Packaging

| | |
|-------------------------|----------------------|
| Quantity per Pallet | 40 |
| Pallet Dimension (mm) | L697 x W1,110 x H988 |
| Net Weight per Pallet | 241.6 kg |
| Gross Weight per Pallet | 291.6 kg |
| Quantity in 20' CNTR | 1,280 |

Warranty

| | |
|---------------|--|
| Certification | ISO 9001, ISO 14000, ISO 45001 TUV, CE, RoHS, REACH |
| Product | 5 years |

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