

TECHNICAL DETAILS

Electrical Performance

| | | | |
|------------------------------|---------------------|----|-------|
| Module type | PLM-125MB-24 SERIES | | |
| Power output | Pmax | Wp | 125 |
| Voltage at Pmax | Vmpp | V | 13.33 |
| Current at Pmax | Impp | A | 9.38 |
| Open circuit voltage | Voc | V | 16.22 |
| Short-circuit current | Isc | A | 9.79 |
| Module efficiency | Eff | % | 18.2 |

STC: 1000W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3
Power measurement uncertainty is within +/- 3%

Thermal Characteristics

| | | | |
|---|------|-------|-------|
| Nominal operating cell temperature | NOCT | °C | 45±2 |
| Temperature coefficient of Pmax | γ | %/ °C | -0.40 |
| Temperature coefficient of Voc | βVoc | %/ °C | -0.30 |
| Temperature coefficient of Isc | αIsc | %/ °C | 0.06 |

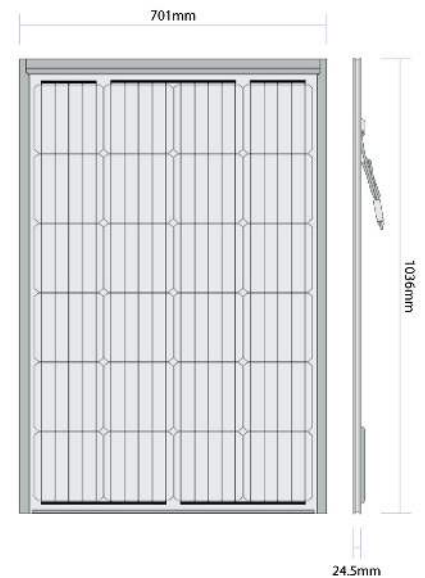
Operating Conditions

| | |
|--|---------------|
| Max. system voltage | 1000VDC |
| Limiting reverse current | 15A |
| Operating temperature range | -14°C to 85°C |
| Max. static load front (e.g., snow) | 5400Pa |
| Max. static load back (e.g. wind) | 3420Pa |

Mechanical Characteristics

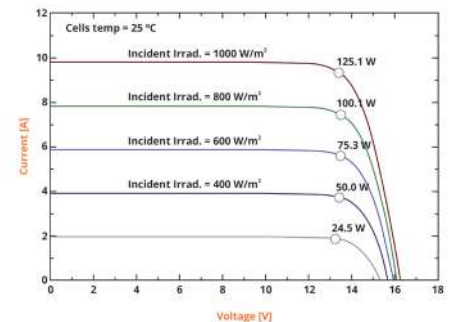
| | |
|--|---|
| Front cover (material / thickness) | low-iron tempered glass/3.2mm |
| Backsheet (colour) | black |
| Cell (quantity/material/dimensions) | -14°C to 24/monocrystalline silicon/156.75x156.75mm |
| Frame (material/colour) | anodized aluminium alloy/black |
| Junction box (protection degree) | ≥IP67 |
| Cables & Plug connectors | 900mm/4mm ² & MC4 compatible/IP67 |
| Module Dimensions (L/W/H) | 1036mmx701mmx24.5mm |
| Module Weight | 8.9kg |

Front and side profile



Irradiance I-V Curve

Showing how the current, power and voltage is affected by different light.



Cell Temperature I-V Curve

Showing how the voltage is affected by cell temperature.

