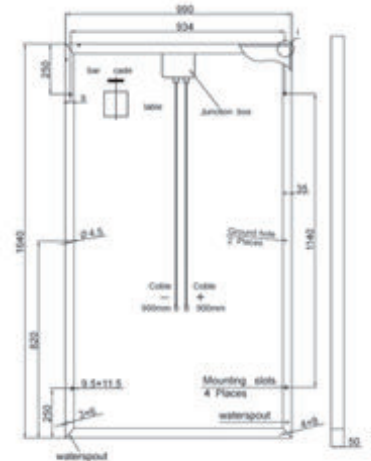
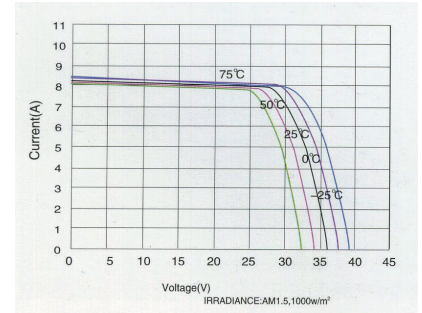


#### Specifications

• <b>Panel Type</b>	230 Wp Multicrystalline silicon photovoltaic module
• <b>Maximum Power (Pmax)</b>	230 W
• <b>Voltage @ Pmax (Vpm)</b>	29,8 V
• <b>Current @ Pmax (Ipm)</b>	7,73 A
• <b>Open Circuit Voltage (Voc)</b>	37,0 V
• <b>Short Circuit Current (Isc)</b>	8,22 A
• <b>Power Tolerance</b>	± 3 %
• <b>Maximum System Voltage</b>	1000 V
• <b>Efficiency</b>	14,1 %
• <b>Temperature Coefficients of Pmax (%)</b>	-0,38 % /°C
• <b>Temperature Coefficients of Voc (%)</b>	-0,32 % /°C
• <b>Temperature Coefficients of Isc (%)</b>	+0,08 % /°C
• <b>NOCT (Normal Operating Cell Temp)</b>	46 °C ± 2 °C
• <b>Operating Temperature</b>	-40 to +85 °C
• <b>System Cell</b>	156 mm x 156 mm Multicrystalline silicon
• <b>No. of cells &amp; connections</b>	60 pcs in series (6x10)
• <b>Module Size (WxLxH)</b>	1640 x 990 x 50 mm
• <b>Weight</b>	Approximately 21 Kg
• <b>Relative humidity</b>	0 to 100 %
• <b>Resistances</b>	227g steel ball fall down from 1 m height and 60 m/s wind

I-V Curves



Module dimension

#### Construction

• <b>Front</b>	Glass
• <b>Encapsulation</b>	EVA/Cells/EVA/TPT
• <b>Bypass Diodes</b>	6 by-pass
• <b>Junction Box Type</b>	IP65 TUV certified
• <b>Output cable</b>	MC4 Type connectors TÜV (Negative 1100 mm, Positive 1100 mm)
• <b>Frame (Material, Corners, etc)</b>	Anodized aluminium, 45° angle frame-screwless
• <b>Certification</b>	CE / IEC 61215 / IEC 61730-1 / IEC 61730-2

Measured at STC (Standard Test Condition; 1000 W/m² irradiance, AM 1.5G and 25 °C)

**Warranty Notice:** 5 years on materials. 10 years of 90 % output, 25 years of 80 % output

**EAN :** TBA

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