



- High-performance photovoltaic modules made of dark blue monocrystalline (156.5 mm²) silicon solar cells with module efficiencies of 14.3%.
- Bypass diodes which minimise the loss in output when shading occurs.
- Textured cell surface for particularly high electricity yields.
- BSF structure (Back Surface Field) to optimise cell efficiency.
- Use of tempered white glass, EVA plastic, and weather protection film, as well as a silver anodised aluminium frame with drainage holes for long-term use.
- Output: connection cable with waterproof plug connector.

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General

- Nominal Output (Wp): **235**
- Module Efficiency (%): **14,3**

Electrical Characteristics

- Open Circuit voltage Voc (V): **37**
- Short circuit current Isc (A): **8,60**
- Maximum power voltage Vpm (V): **30,0**
- Maximum power current Ipm (A): **7,84**
- System Voltage (V DC): **1000**

Mechanical data

- Cell size (mm)²: **156,5**
- No. of cells and connections: **60 in series**
- Dimensions (LxHxW) (mm): **1652x994x46**
- Weight (kg): **20**
- Maximum mechanical load (N/m²): **2400**

Thermal coefficients and characteristics

- α_{Pm} (%/°C): **-0,485**
- α_{Isc} (%/°C): **0,053**
- α_{Voc} (%/°C): **-130**
- Operating temperature (°C): **-40 to +90**
- Storage temperature (°C): **-40 to +90**