



open your life

Open 2xx-PQ60

Polycrystalline technology



Real Power

- Modules available with 240, 245, 250, 255 and 260 Watt nominal power
- Positive power tolerance of +5W
- Individual module performance tested on site, based on a TÜV Rheinland calibrated module. All modules are checked with a electroluminescence tester



Stable Power

- High quality solar cells, made in Germany
- Tested for PID and LID
- Traditional Open Renewables® quality for durability



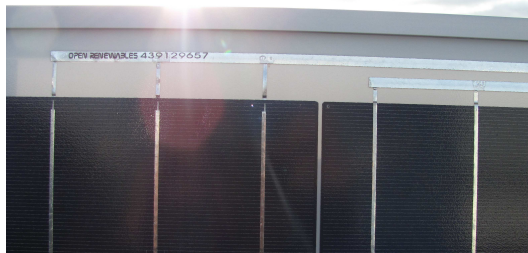
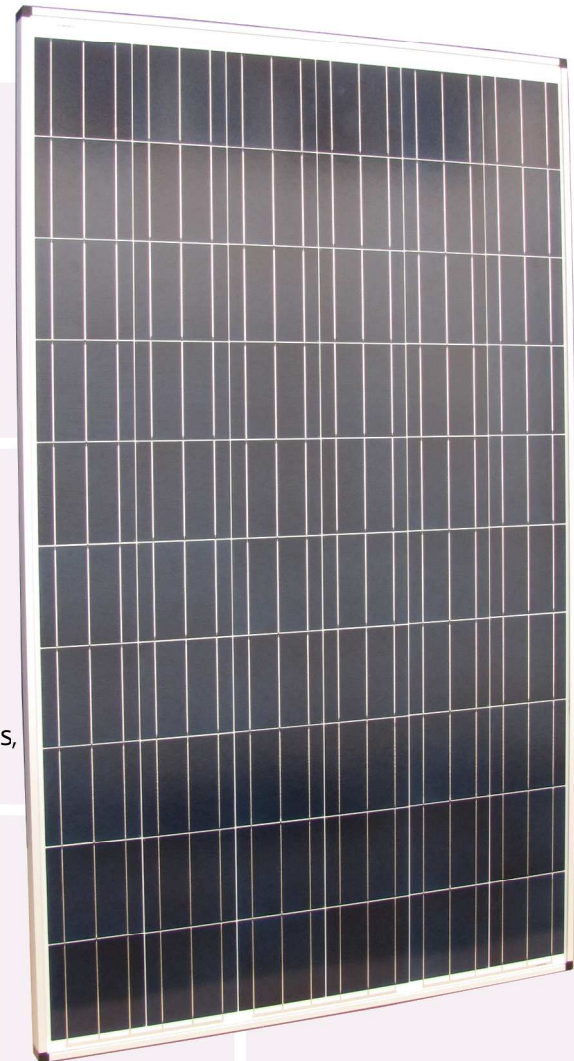
Robust Power

- 4mm thick solar glass offers additional protection against the natural elements
- 3rd Generation frame, made of high quality aluminium profiles, resistant to torsion and corrosion



Long Term Manufacturing Experience

- Module manufacturer since 1994
- Built exclusively with excellent materials made in Europe



Certificates and Qualifications

All products are certified by TÜV Rheinland in Germany

Open Renewables products are manufactured in an ISO9001:2008, ISO14001:2012 and OSHAS18001:2007 certified plant

Open Renewables product range:
Monocrystalline 70-260 Watt
Multicrystalline 175-255 Watt

Designed and produced to meet the requirements of IEC 61215 and IEC 61730

Warranties

Ten years material and workmanship*

Guaranteed 90% minimum nominal power for ten years*

Guaranteed 80% minimum nominal power for twenty five years*

*Manufacturer's warranty conditions apply



Open Renewables

240-PQ60 245-PQ60 250-PQ60 255-PQ60 260-PQ60

| Electrical Specifications | | Open 240-PQ60 | 245-PQ60 | 250-PQ60 | 255-PQ60 | 260-PQ60 |
|---|--------|---------------|----------|----------|----------|------------|
| Data at Standard Test Conditions (STC)* | | | | | | |
| Rated Power | [Pn] | 240 | 245 | 250 | 255 | 260 [Wp] |
| Peak Power | [Pmax] | 240 | 245 | 250 | 255 | 260 [W] |
| Tolerance on peak power | [Tol] | +5 | +5 | +5 | +5 | +5 [W] |
| Module efficiency | [η] | 14.7 | 14.9 | 15.2 | 15.5 | 15.8 [%] |
| Max. system voltage | [Vsys] | 1000 | 1000 | 1000 | 1000 | 1000 [Vdc] |
| Peak power voltage | [Vmpp] | 29.60 | 29.75 | 29.90 | 30.00 | 30.10 [V] |
| Peak power current | [Impp] | 8.20 | 8.30 | 8.45 | 8.55 | 8.65 [A] |
| Open circuit voltage | [Voc] | 37.35 | 37.50 | 37.75 | 38.00 | 38.25 [V] |
| Short circuit current | [Isc] | 8.75 | 8.85 | 8.95 | 9.00 | 9.10 [A] |
| Max. reverse current | [Ir] | 20 | 20 | 20 | 20 | 20 [A] |

* Air Mass AM 1.5, Irradiance 1000 W/m2, Cell temperature 25 °C

| Electrical Specifications | | Open 240-PQ60 | 245-PQ60 | 250-PQ60 | 255-PQ60 | 260-PQ60 |
|--|---------|---------------|----------|----------|----------|-----------|
| Typical Data at Nominal Operating Cell Temperature (NOCT)** conditions | | | | | | |
| Temperature | [NOCT] | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 [°C] |
| Mpp power | [Pnoct] | 173 | 176 | 180 | 183 | 186 [W] |
| Open circuit voltage | [Voc] | 34.29 | 34.49 | 34.69 | 34.89 | 35.09 [V] |
| Short circuit current | [Isc] | 6.56 | 6.65 | 6.75 | 6.85 | 6.95 [A] |
| Peak power voltage | [Vmpp] | 26.97 | 27.12 | 27.27 | 27.40 | 27.52 [V] |

** At an irradiance of 0.8 kW/m2, 20°C ambient temperature and average wind speed of 1 m/s

| Specifications common to all models | | |
|-------------------------------------|--------------------|-----------------|
| Length (L) | [mm] | 1659.5 ±3 |
| Width (W) | [mm] | 988 ±3 |
| Height (H) | [mm] | 40 ±1 |
| Weight | [Kg] | 22 ±5% |
| Connector type | TE Solarlok / MC4 | |
| Bypass diodes | 3 | |
| Max. mechanical load | 5400 Pa | |
| Cable length (C) | [mm] | 1000 / 1000 ±10 |
| Cable cross section | [mm²] | 4 |
| Safety Class | II | |
| Technology | Polycrystalline Si | |
| α (Isc) | (Isc) [%/K] | 0.040 |
| β (Voc) | (Voc) [%/K] | -0.33 |
| Γ (Pmpp) | (Pmpp) [%/K] | -0.44 |

Efficiency reduction from 1.000 to 200 W/m² is about 1%

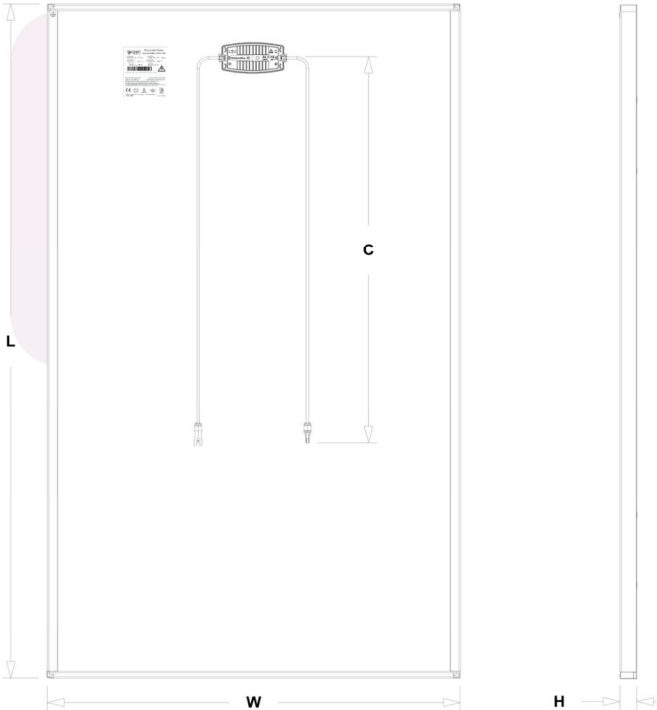


Electrical Equipment. Installation reserved for qualified professionals. This specification does not dispense from reading and understanding of the relevant manuals



Quality Components

60 High quality polycrystalline six inch cells.
Robust aluminium anodized frame. High transmissivity
4mm thick solar glass. Low temperature coefficient for
increased power at high temperatures.



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Your distribution specialist

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