EN



open your life

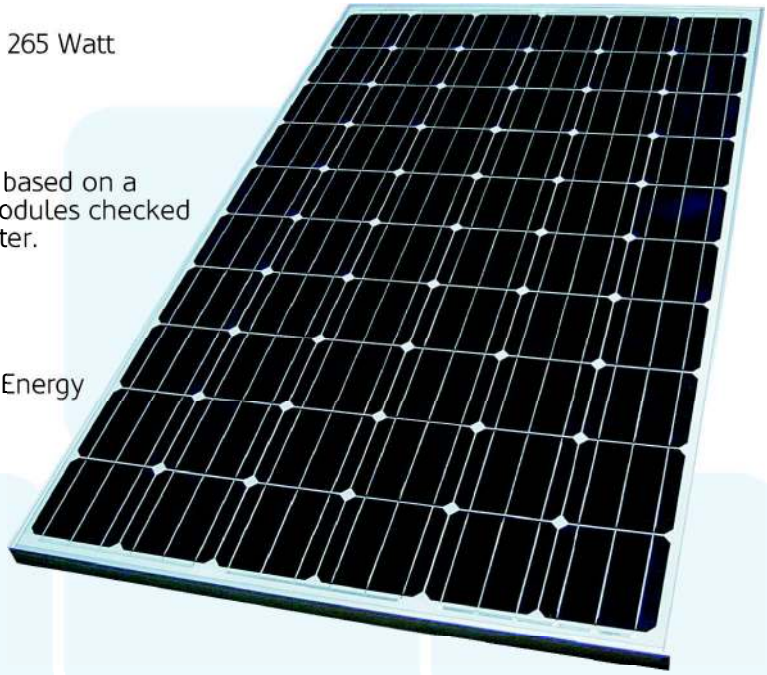
Open 2xx-ME60

Open 2xx-ME60

Monocrystalline technology

Real Power

- Modules available with 245, 250, 255, 260 and 265 Watt nominal power
- Positive Power Tolerance of +5W
- Individual module performance tested on site, based on a TÜV Rheinland calibrated module. 100% of modules checked with a state of the art Electroluminescence tester.



Stable Power

- High quality solar cells, made by Bosch Solar Energy
- Tested for PID and LID
- Traditional Open Renewables® quality for durability

Robust Power

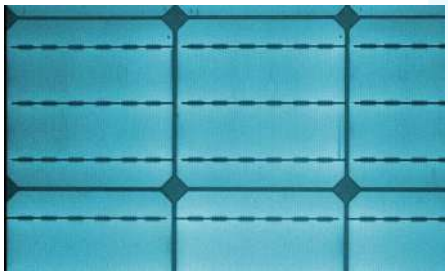
- 4mm thick solar glass offers additional protection against the natural elements
- 3rd Generation frame, made of high quality aluminium profiles, resistant to torsion and corrosion



Long Term Manufacturing Experience

1994 Desde

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



Warranties

Ten years material and workmanship*

Guaranteed 90% minimum nominal power for ten years*

Guaranteed 80% minimum nominal power for twenty five years*

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

*Manufacturer's warranty conditions apply

Open Renewables

245-ME60 250-ME60 255-ME60 260-ME60 265-ME60

Electrical Specifications

Data at Standard Test Conditions (STC)*

		Open 245-ME60	250-ME60	255-ME60	260-ME60	265-ME60	
Rated Power	[Pn]	245	250	255	260	265	[Wp]
Peak Power	[Pmax]	245	250	255	260	265	[W]
Tolerance on peak power	[Tol]	+5	+5	+5	+5	+5	[W]
Module efficiency	[η]	15.0	15.2	15.6	15.9	16.2	[%]
Max. system voltage	[Vsys]	1000	1000	1000	1000	1000	[Vdc]
Peak power voltage	[Vmpp]	29.80	29.90	30.05	30.25	30.50	[V]
Peak power current	[Impp]	8.25	8.35	8.45	8.60	8.70	[A]
Open circuit voltage	[Voc]	36.80	36.90	37.25	37.60	37.90	[V]
Short circuit current	[Isc]	8.60	8.70	8.95	9.20	9.30	[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

Typical Data at Nominal Operating Cell Temperature (NOCT)** conditions

		Open 245-ME60	250-ME60	255-ME60	260-ME60	265-ME60	
Temperature	[NOCT]	48.0	48.0	48.0	48.0	48.0	[°C]
Mpp power	[Pnoct]	177	182	184	189	192	[W]
Open circuit voltage	[Voc]	29.60	29.83	30.07	30.31	30.56	[V]
Short circuit current	[Isc]	7.24	7.29	7.35	7.40	7.46	[A]
Peak power voltage	[Vmpp]	27.07	27.29	27.52	27.79	28.07	[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		Monocrystalline Si
α (Isc)	(Isc) [%/K]	0.043
β (Voc)	(Voc) [%/K]	-0.305
Γ (Pmpp)	(Pmpp) [%/K]	-0.432

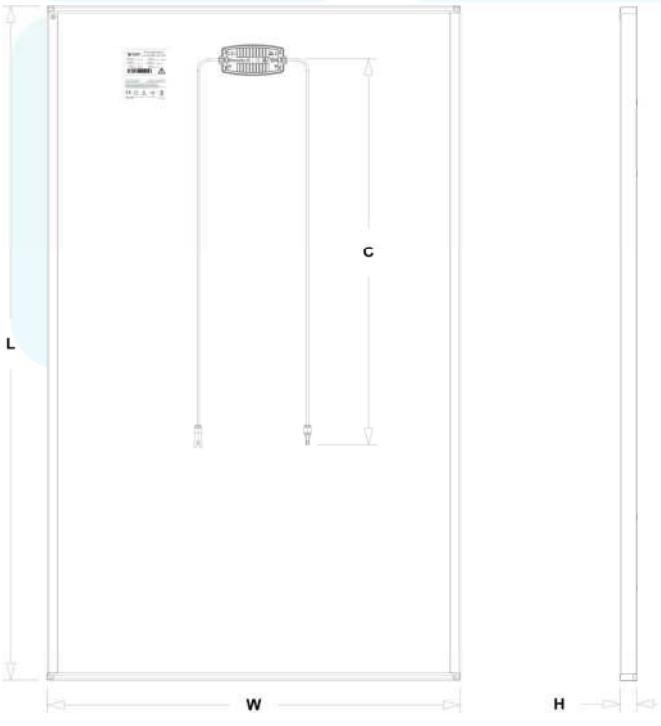
Efficiency reduction from 1.000 to 200 W/m² is about -2.5% on Vmpp and -80% on Impp.

Quality Components

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



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



This document may be provided in several languages. In case of a conflict among versions, the English language version prevails. Version 3.40, 19-01-2014. This version voids all previous versions

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