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Solar Panel Guide Specification Data Sheet

Open Renewables, SA

1XX-MM36

85-MM36

Also available on the web at
EnergyPal.com/open-renewables-sa-solar-panels/85-mm36



open your life

Open 1xx-MM36

Energy to the World



Real Power

- Modules available with 85, 90, 95, 100 and 105 Watt nominal power
- Strict power tolerance of $\pm 3\%$
- Individual module performance tested on site, based on a TÜV Rheinland calibrated sun simulator.



Stable Power

- High quality monocrystalline solar cells
- Built exclusively with excellent materials, designed for endurance performances
- Traditional Open Renewables® quality and durability



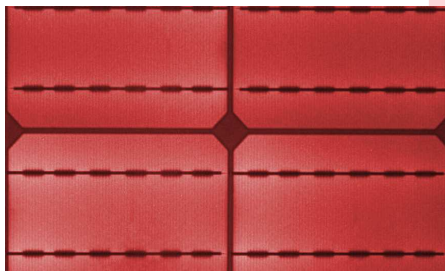
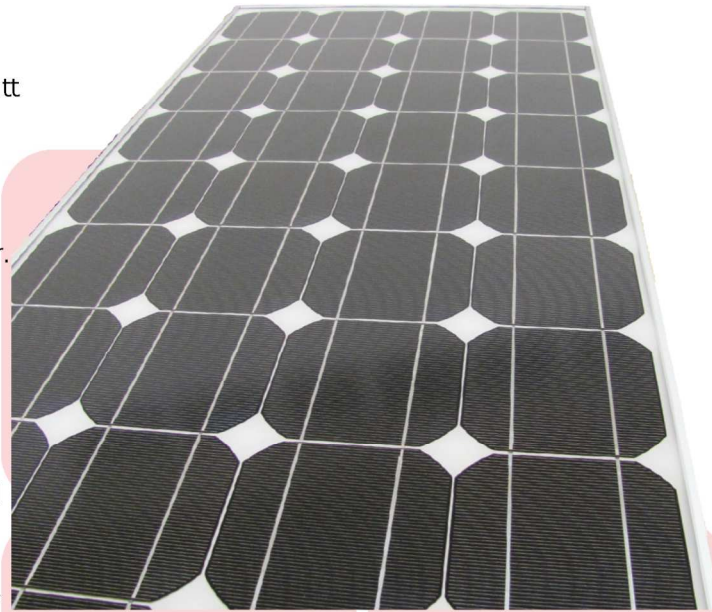
Modular Power

- Photovoltaic module designed for off grid rural and industrial applications
- Popular format, easy to install, transport and maintain
- Junction Box optimized for parallel and serial connections, as option.



Long Term Manufacturing Experience

- Module manufacturer since 1994
- Built exclusively with excellent materials.



Certificates and Qualifications

All core 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

Warranties

Three years material and workmanship*

Guaranteed 90% minimum nominal power for five years*

Guaranteed 80% minimum nominal power for ten years*

*Manufacturer's warranty conditions apply



Open Renewables

85-MM36 90-MM36 95-MM36 100-MM36 105-MM36

Electrical Specifications

Data at Standard Test Conditions (STC)*

Open 85-MM36 90-MM36 95-MM36 100-MM36 105-MM36

Rated Power	[Pmax]	85	90	95	100	105	[Wp]
Tolerance on peak power	[Tol]	± 3%	± 3%	± 3%	± 3%	± 3%	[%]
Open circuit voltage	[Voc]	22.2	22.3	22.4	22.5	22.6	[V]
Peak power voltage	[Vmpp]	17.7	18.0	18.3	18.7	19.0	[V]
Short circuit current	[Isc]	5.5	5.5	5.5	5.6	5.7	[A]
Peak power current	[Ipm]	5.0	5.1	5.2	5.3	5.5	[A]

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

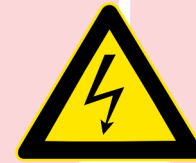
Specifications common to all models

Length (L)	[mm]	1200.0 ±3
Width (W)	[mm]	527 ±2
Height (H)	[mm]	33 ±1
Weight	[Kg]	7.5 ±5%
Connector type		Not Included
Technology		Monocrystalline Si
α (Isc)	(Isc) [%/K]	0.024
β (Voc)	(Voc) [%/K]	-0.356
Γ (Pmpp)	(Pmpp) [%/K]	-0.472

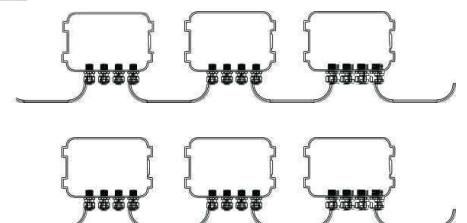
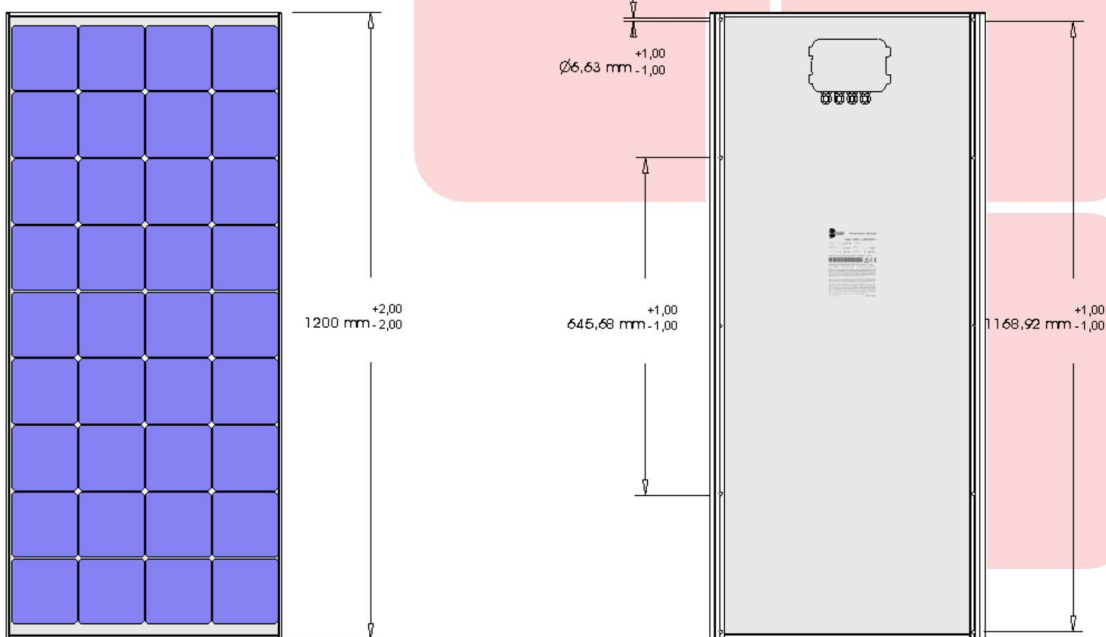
Quality Components

36 High Quality Monocrystalline five inch cells, Robust aluminium anodized frame High transmissivity 3,2mm thick Solar Glass.

Read installation and operation instructions before installing or use the product in any way.



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 2.00, 29-02-2014. This version voids all previous versions

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