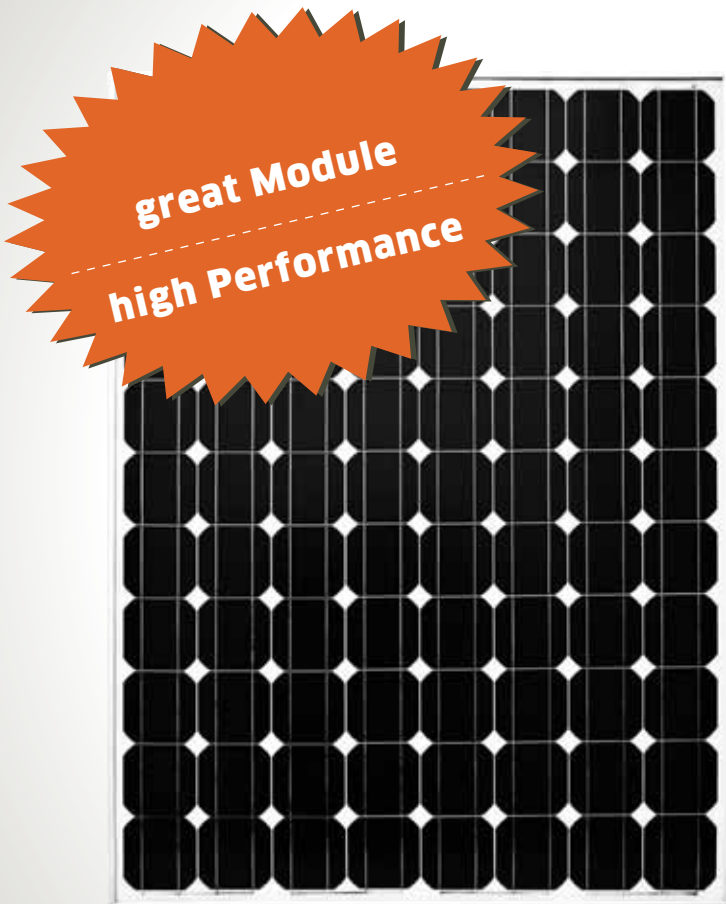


MONOCRYSTALLINE MODULES

D-SWM-235W/88M-SE



Product features

Guaranteed positive output tolerance of 0-3%

Junction box with 4 bypass diodes minimises decline in output when shadowing

3.2mm tempered glass for more stability and corrosion resistance

Backsheet lamination for long-term weather protection and anti-moisture

Warranty

Product warranty:
12 years (material & manufacture)

Output guarantee:
10 years on 90% of maximum output
25 years on 80% of maximum output





TECHNISCHES DATENBLATT
High Power Photovoltaic Module

MONOCRYSTALLINE MODULES
D-SWM-235W/88M-SE



Electrical Data

Maximum Power (0-3%Wp)	235W
Maximum power voltage (Vmp)	45.2V
Maximum power current (Imp)	5.20A
Open circuit voltage (Voc)	55.3V
Short circuit current (Isc)	5.53A
Maximum system voltage (Vmax)	1000V
Cell Efficiency	17.2%
Module Efficiency	15.1%
Cell Configuration	88 in Series
NOCT	45°C±2°C
Temp. coefficient Power	-0.50%/°C
Temp. coefficient Isc	+0.043%/°C
Temp. coefficient Voc	-0.34%/°C

*Measurement conditions under irradiance level of 1000W/m², 1.5 Air Mass Spectrum, cell temperature of 25°C

Mechanical Data

Dimension of module	1462(L) x 1064(W) x 50(H) mm
Weight	19 kg
Frame structure (Material)	Aluminium
Front side	Glass
Front glass thickness	3.2 mm
Encapsulant	EVA
Back side	TPT
Junction Box	IP65
Cable	900 mm (Ø 4mm ²)
Max. Series Fuses	8A

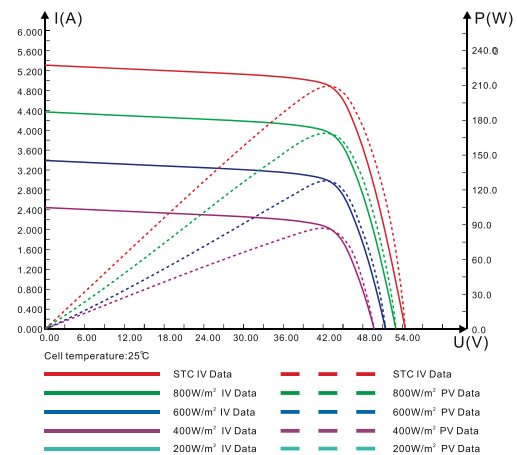
Absolute Maximum Ratings

Operating Temperature	-40°C to +85°C
Maximum Hail diameter	up to 25mm Ø
Continuous wind pessure	up to 130 Km/h

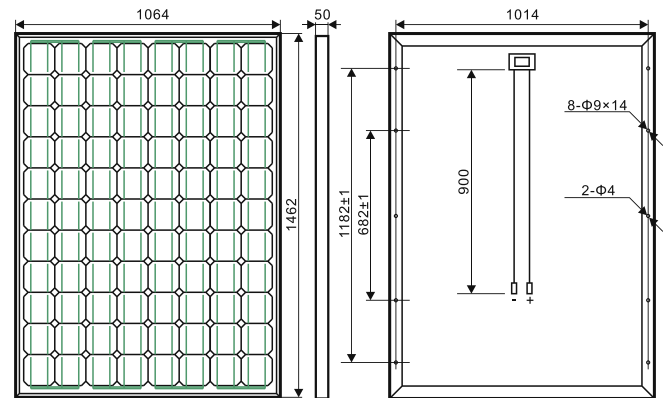
Packing Configurations

Packing configuratin	20 pcs. / box
Quantity/pallet	1 box / pallet
HQ Container	560 pcs. / container

Characteristic Curves



Dimensions



Indemnity against liability: Given technical data are averages and could vary slightly. The directly related data of the special measuring - flashreport are decisive. Subject to changes, errors and omissions excepted. Technical changes within the further development are to be reserved by the manufacturer and producer. Images can differ from actual/original product.

Data as: January 2012



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