

MONOCRYSTALLINE MODULES

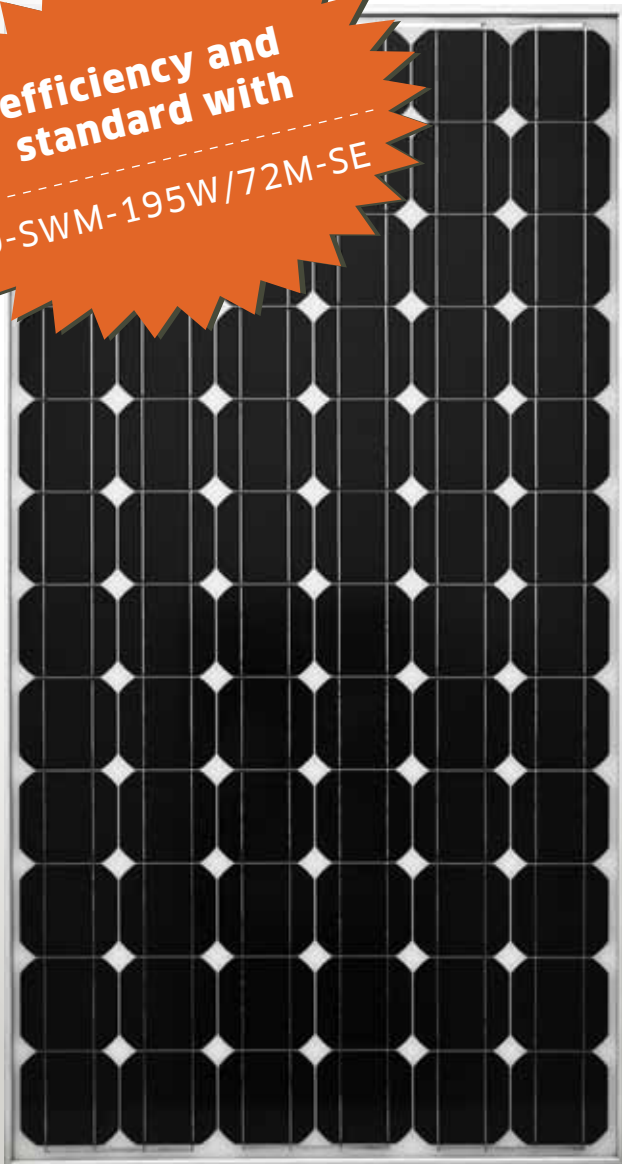
D-SWM-185W/72M-SE

D-SWM-190W/72M-SE

D-SWM-195W/72M-SE

efficiency and
standard with

D-SWM-195W/72M-SE



Product features

Maximised efficiency of module of 15.3 to 15.7%

Guaranteed positive output tolerance of 0-3%

Junction box with 3 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



ISO 9001:2000 Certified Plant



TECHNISCHES DATENBLATT
High Power Photovoltaic Module

MONOCRYSTALLINE MODULES
D-SWM-185W-195W/72M-SE



Electrical Data

Maximum Power (0-3%Wp)	185W	190W	195W
Maximum power voltage (Vmp)	36.3V	36.8V	37.3V
Maximum power current (Imp)	5.10A	5.17A	5.23A
Open circuit voltage (Voc)	44.9V	45.1V	45.3V
Short circuit current (Isc)	5.46A	5.51A	5.56A
Maximum system voltage (Vmax)	1000V		
Cell Efficiency	16.6%	17.0%	17.5%
Module Efficiency	14.5%	14.9%	15.3%
Cell Configuration	72 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	1580(L) x 808(W) x 35/46(H) mm		
Weight	15.5 kg		
Frame structure (Material)	Aluminium		
Front side	Solarglas		
Front glass thickness	3.2 mm		
Encapsulant	EVA		
Back side	TPT		
Junction Box	IP65		
Cable	900 mm (Ø 4mm ²)		
Max. Series Fuses	8A		

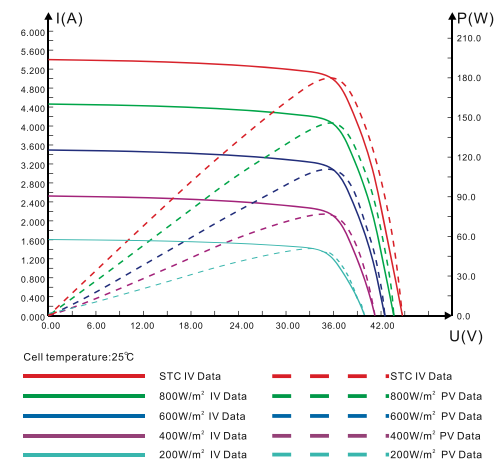
Absolute Maximum Ratings

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

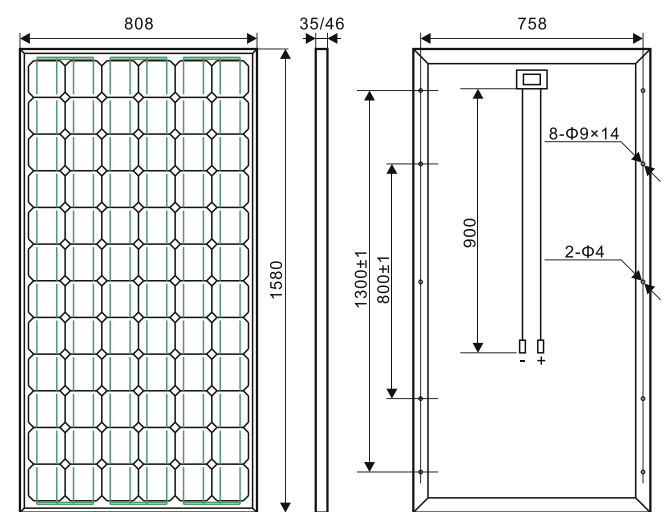
Packing Configurations

Packing configuratin	26 pcs. / box		
Quantity/pallet	1 box / pallet		
40 foot Container	728 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



Gleimstraße 50 | 10437 Berlin, Germany
T +49 (0)30 63 22 29-60 | F +49 (0)30 63 22 29-59
info@deng-sunwin-solar.de | www.deng-sunwin-solar.de