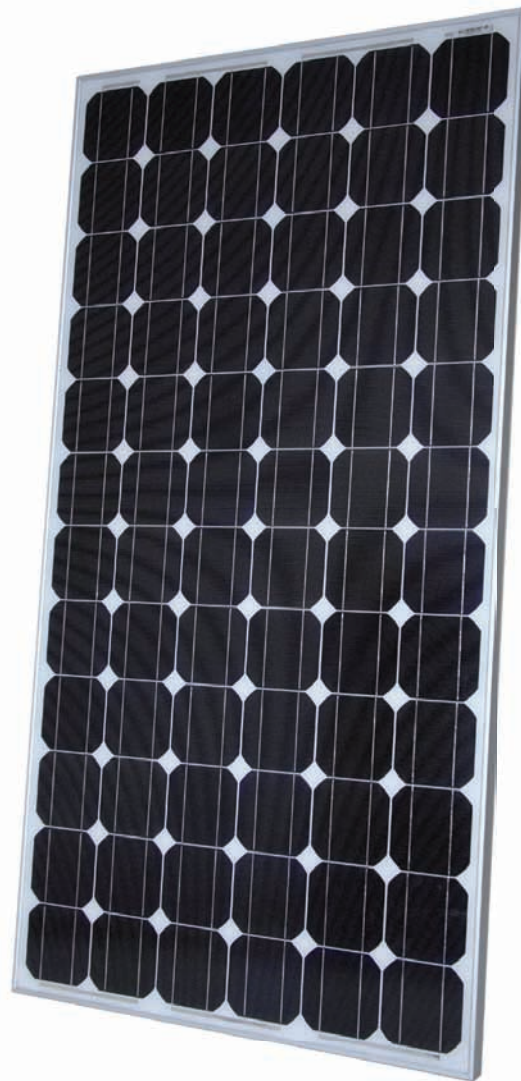


Photovoltaic module IRES SL-Series

- SL 175 M
- SL 180 M
- SL 185 M
- SL 190 M



- High product quality provides an excellent long-lasting module performance
- Robust against changing external influences and mechanical stress
- Combination of performance and attractive design



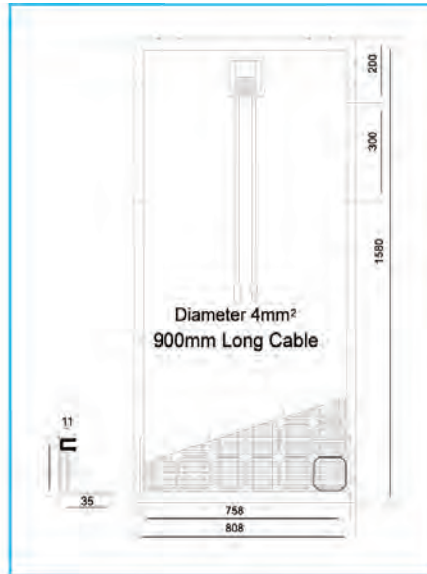
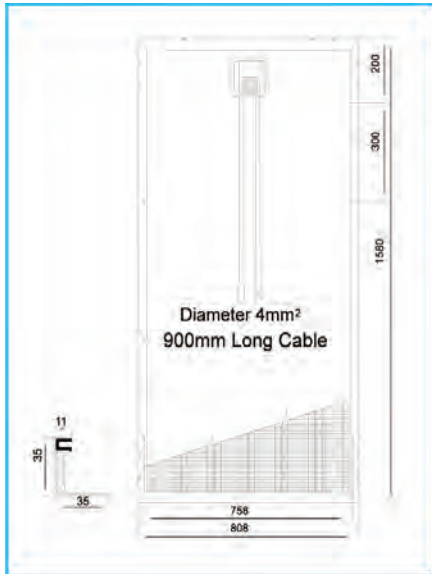
Certification and warranty

- VDE certified according IEC 61215, IEC 61730 and CE
- Approved for the Australian market by the www.cleanenergycouncil.org.au
- Meet the requirements for Safety Class II
- 10 years product warranty on material and faultless production
- We guarantee a module performance of 90 % within 10 years, and a minimum of 80 % up to 25 years



Mechanical specifications

Dimensions (LxWxD):	1.580 x 808 x 45 mm
Weight:	15,5 kg
Connection Box:	1 connection box with 3 bypass diodes
Cable:	solar cable, 4mm ² , 2 x 900 mm with MC4-Plug
Front glass:	low iron, anti-reflex solar glass, ESG 3.2 mm
Cells:	72 pieces 5 inch, 125 x 125 mm, monocrystalline silicon
Frame:	eloxadized aluminium pattern, plugged



Drawings and tolerances are not to scale. Detailed dimensions and tolerances are available upon request.

Electrical specifications

Cell type	SL 175 M	SL 180 M	SL 185 M	SL 190 M
Power tolerance [%]	± 3	± 3	± 3	± 3
Max. Voltage [V]	1000	1000	1000	1000
Max. Power [Wp]	175	180	185	190
Umpp [V]	36.0 ± 0.5	36.0 ± 0.5	36.0 +/- 0.5	36.0 ± 0.5
Impp [A]	4.93 ± 0.5	5.00 ± 0.5	5.17 +/- 0.5	5.28 ± 0.5
Voc [V]	42.6 ± 0.5	43.2 ± 0.5	44.5 +/- 0.5	44.7 ± 0.5
Isc [A]	5.52 ± 0.5	5.60 ± 0.5	5.60 +/- 0.5	5.60 +/- 0.5
Temperature coefficient [Voc]	- 0.34 % / K			
Temperature coefficient [Isc]	0.0286 % / K			

