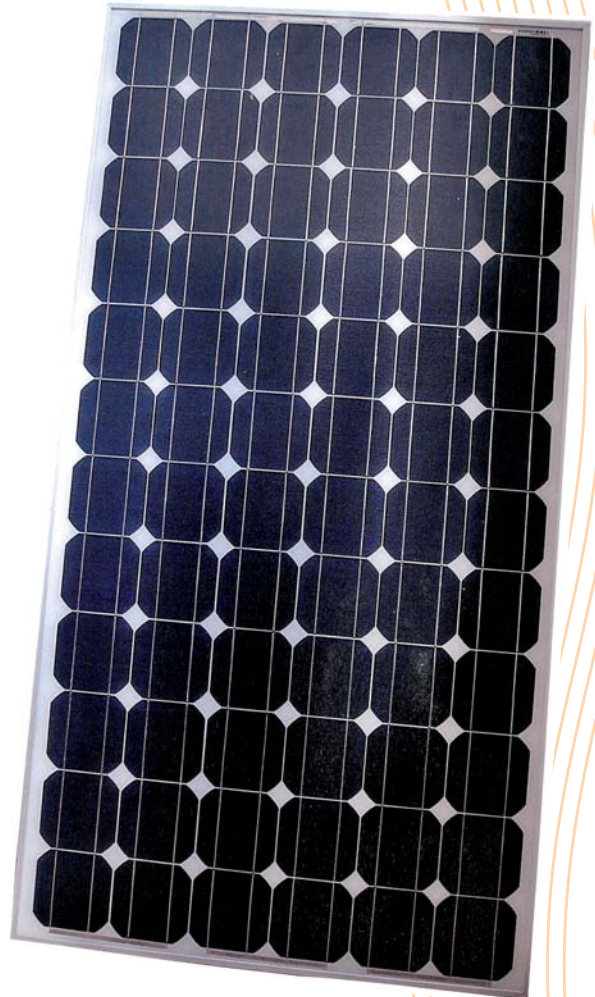




## alka® MFE-series – the profitable solution

- Fair price
- 10 year alkaSOL product warranty
- Performance warranty: 12 year 90%  
Performance warranty: 25 year 80%
- Minimal mismatching losses due to strict production tolerances -0% to +4%
- Entire value creation chain inside the group and high product safety through closed production chain (Si – ingots – wafers – cells – modules)
- ISO 9001 Quality Management
- IEC61215
- Safety Class II
- MC – Multi-Contact – junction box and connector
- Continuous production supervision at the manufacturing plant plus monthly tests at independent German institution



## Quality components for a quality module

- High efficient mono-crystalline cells
- 40mm aluminium frame with drainage holes
- Low iron chromate and low reflectance solar glass 3,2 mm
- 5400 Pa pressure resistance
- 4mm<sup>2</sup> connecting cable with high temperature resistance (90°C)
- Large edge distance to the cell, suitable for low roof pitch
- Low place requirement / high area performance of 6,9 to 7,3 m<sup>2</sup>/kWp



## Technical Data: alka® MFE 175 – 185

### General data:

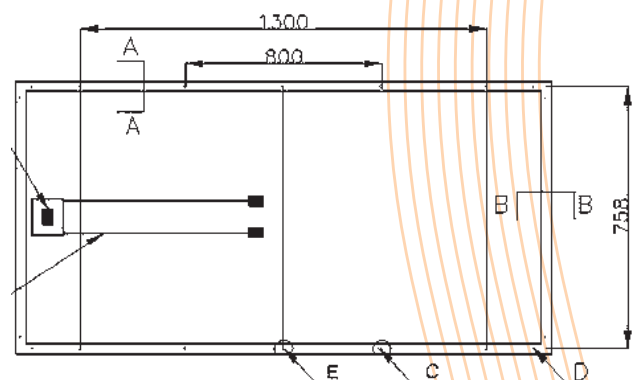
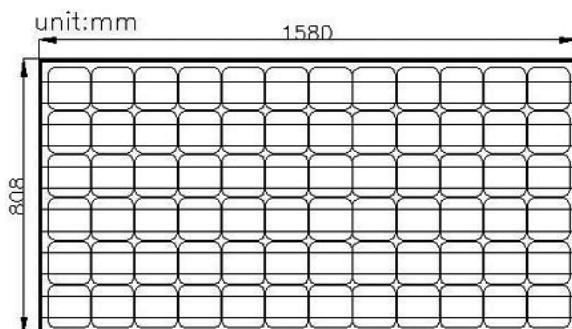
Cells per module	72
Cell type	Mono crystalline
Cell dimension	125 x 125 mm / 5"
Cable	Length 900mm
Glass	3,2 mm
Frame	Aluminium
Weight	15 kg
Dimension (L x W x T mm)	1580 x 808 x 40 mm

### Temperature coefficient

Short circuit current $I_{sc}$	+ 0,038% / K
Open circuit voltage $V_{oc}$	- 0,34% / K
Power <sub>M</sub>	- 0,47% / K

### Electrical characteristics

	175	180	185
Nominal power $P_{nom}$	175	180	185
Max. system voltage [V]	1.000	1.000	1.000
Voltage $V_{mpp}$ [V]	36,2	36,8	37,5
Current $I_{mpp}$ [A]	4,85	4,90	4,95
Open circuit voltage $V_{oc}$ [V]	43,9	44,2	44,5
Short circuit current $I_{sc}$ [A]	5,30	5,35	5,40



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