



#### ➔ Monocrystalline high-performance cells

- high energy yield, compact dimensions
- higher output from larger cells
- 165 mm (6.5") cell diagonal
- all panels go through final inspection
- electrical parameters individually recorded

#### ➔ Quality

- 72 monocrystalline high-performance cells
- conforms to strict German quality control specifications
- frame withstands high wind and heavy snow loading
- class II protection up to 1000V system voltage

#### ➔ Certified

- MCS certified
- complies with IEC 61215, certified by TÜV Rheinland
- production according to ISO 9001:2000

#### ➔ Warranties

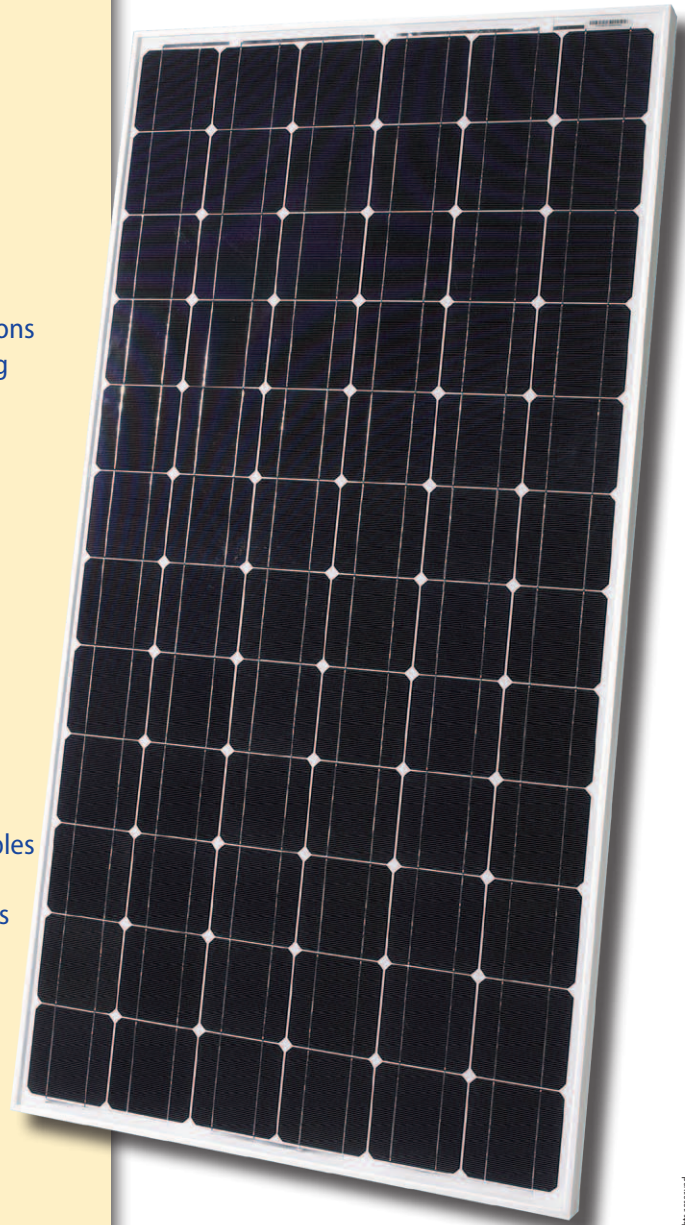
- 5 years product warranty\*
- 10 years performance warranty (90%)\*
- 25 years performance warranty (80%)\*

#### ➔ Cost optimization

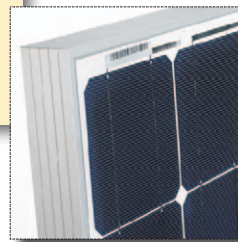
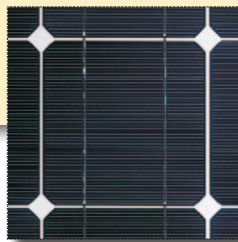
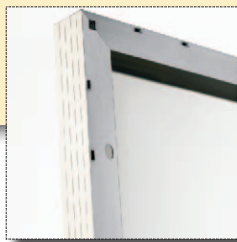
- supplied ready for connection with pre-attached cables
- multi-compatible solar plugs & connectors
- integrated bypass diodes to circumvent shaded areas

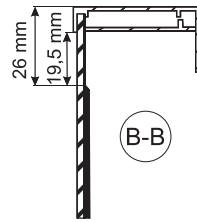
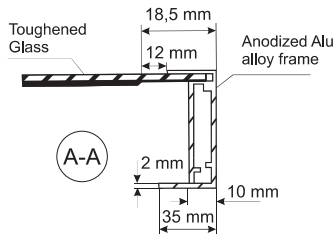
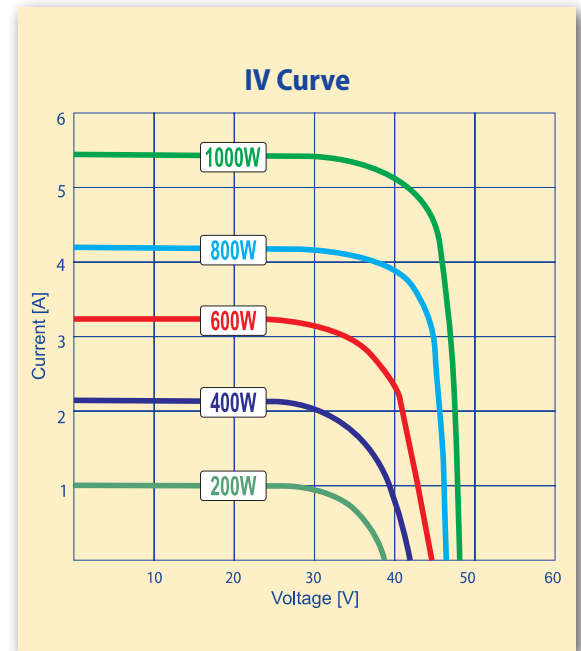
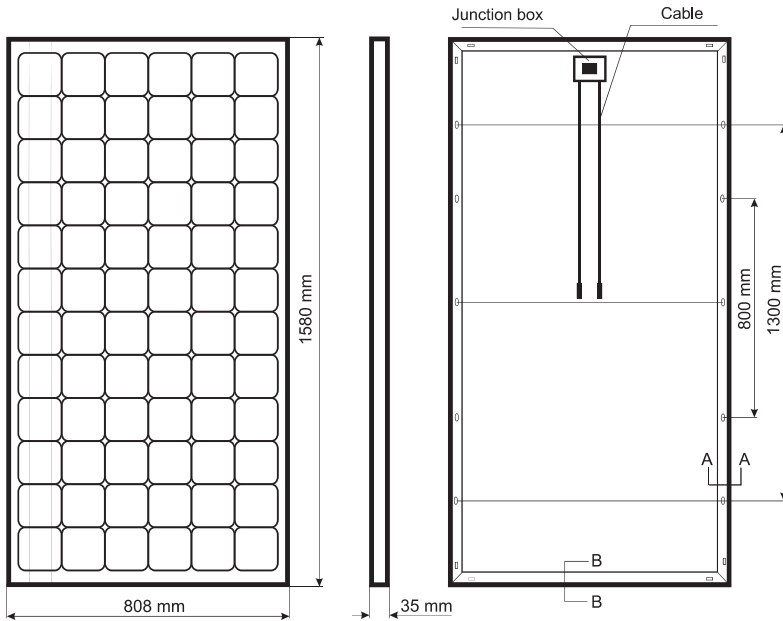
#### ➔ Yield security

- minimum performance tolerances  $\pm 3\%$
- optimized for FIT (Feed-in Tariff) PV systems



\* Current warranty conditions applicable for these products are available upon request from your local specialist dealer for Sunenergy Bohne GmbH.





## SE-M-72-Serie

Article number	No.	180M	185M	190M	195M	200M	205M
<b>Electrical parameters*</b>							
Module class / performance [P <sub>MPP</sub> ] ± 3%	(Wp)	180	185	190	195	200	205
Nominal voltage [U <sub>MPP</sub> ]	(V)	35,9	36,0	36,8	37,2	37,9	38,3
Nominal current [I <sub>MPP</sub> ]	(A)	5,00	5,15	5,16	5,24	5,28	5,35
Open-circuit voltage [U <sub>oc</sub> ]	(V)	44,8	45,0	45,2	45,4	45,6	45,8
Short-circuit current [I <sub>sc</sub> ]	(A)	5,30	5,50	5,53	5,58	5,70	5,81
Performance tolerance	(%)	(± 3)	(± 3)	(± 3)	(± 3)	(± 3)	(± 3)
Temperature coefficient of nominal performance	(%/°C)	-0,37	-0,37	-0,37	-0,37	-0,37	-0,37
Temperature coefficient of open-circuit voltage	(%/°C)	-0,34	-0,34	-0,34	-0,34	-0,34	-0,34
Temperature coefficient of short-circuit current	(%/°C)	0,09	0,09	0,09	0,09	0,09	0,09
<b>Dimensions and weight</b>							
Length	(mm)	1580	1580	1580	1580	1580	1580
Width	(mm)	808	808	808	808	808	808
Height	(mm)	35	35	35	35	35	35
Weight	(kg)	16	16	16	16	16	16

\* Electrical parameters under standard conditions: 1000 W/m<sup>2</sup>, spectrum AM 1.5, cell temperature 25 °C. The data contained in this technical sheet are subject to changes which serve technical progress.

Your local Sunenergy dealer