

# Technical Data Sheet

## BS 175 W

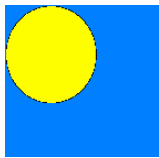
### Technical Data

Type	BS 175 W
Type of Solar Cell	Mono-crystalline, 125 x 125 mm <sup>2</sup>
Number of Cells	72 pcs
Module, Size	1580 x 808 x 45 mm
Module, Weight	15.5 kg
Junction Box	Cixi Renhe
Connector / Cross-Section TÜV.-Nr.: 50087729	PV – RH0502B / 4 mm <sup>2</sup>
Cables, Length (+/-)	900 mm
Front Cover Glass	Safety Glass (ESG)
Front Cover Glass, Thickness	3.2 mm
Frame	Anodized Aluminium

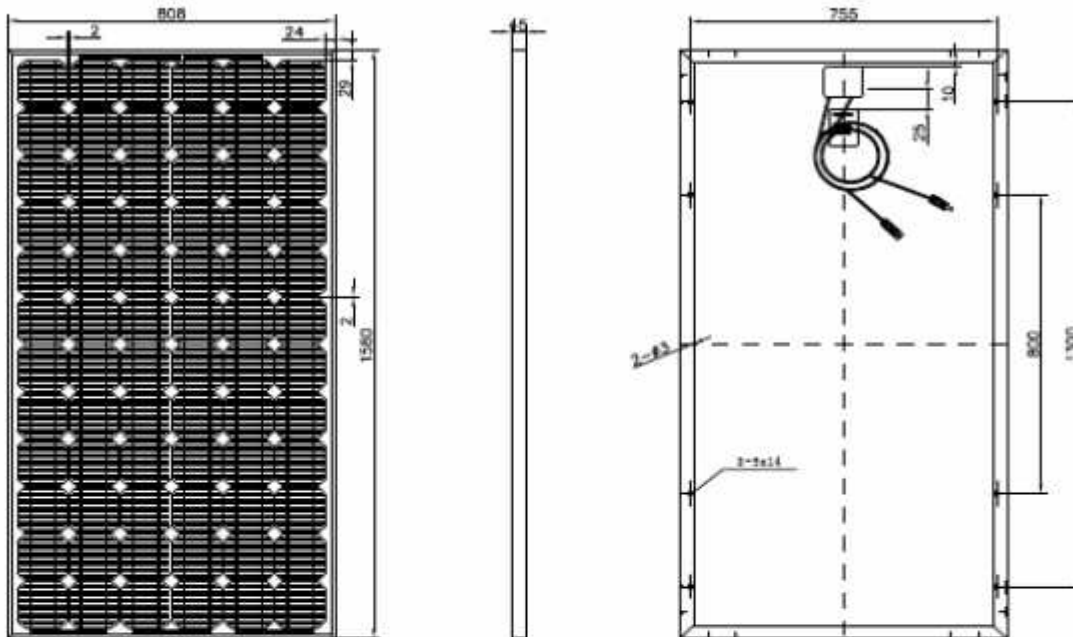
### Electrical Data

Maximum Power	$P_{MPP\ STC}$	175 W
Power Tolerance	$\Delta_{STC}$	+/- 3 %
Maximum Power Voltage	$U_{MPP\ STC}$	35.3 V
Maximum Power Current	$I_{MPP\ STC}$	4.96 A
Open Circuit Voltage	$U_{OC\ STC}$	44.2 V
Short Circuit Current	$I_{SC\ STC}$	5.20 A
Module Efficiency	$\eta_{STC}$	13.7 %
Maximum System Voltage	$U_{DC}$	1000V

STC: Irradiance 1000 W/m<sup>2</sup>; Spectrum AM 1,5; Cell Temperature 25° C, Wind 0 m/s



**bayerische solar ag**



### Temperature Coefficients

Power Coefficient	$\alpha_k (P_{MPP})$	- 0.50 %/K
Voltage Coefficient	$\beta_k (U_{OC})$	- 0.35 %/K
Current Coefficient	$\varphi_k (I_{SC})$	0.06 %/K

NOCT  $45^{\circ}\text{C}\pm 2^{\circ}\text{C}$

### Power Warranty

10 years performance warranty to 90 %

25 years performance warranty to 80 %

5 years warranty against production and material defects

### Certifications

DIN EN IEC 61215, Ed. 2; DIN EN IEC 61730 , DIN EN IEC 61730-2 ,CE,Quality Insurance-1