

High-performance module with polycrystalline silicon solar cells

The ANTARIS P series



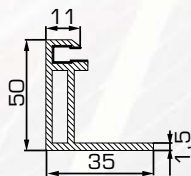
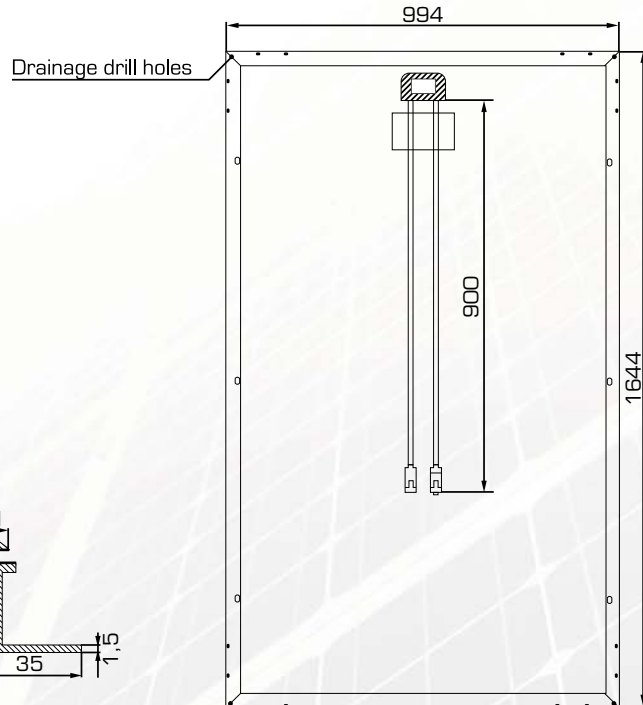
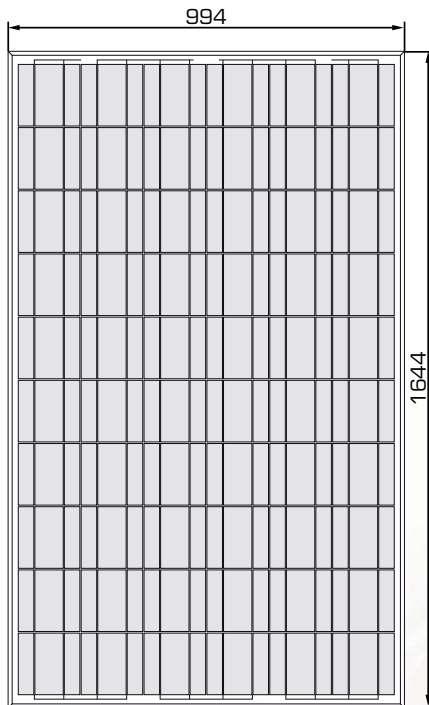
- Using high-quality components, ANTARIS modules are manufactured for worldwide use in grid-connected solar power systems.
- Continuous quality controls throughout the entire production process
- Fully automatic production with the latest technology for quality assurance
- Quality assurance provided by external, independent testing institutes in Germany



ANTARIS SOLAR GmbH & Co. KG
Head office
63735 Aschaffenburg, Germany

Phone: +49 (0) 6095 950-441
Fax: +49 (0) 6095 950-544
E-mail: info@antaris-solar.de
Web address: www.antaris-solar.com

LIVING BY THE SUN!



All specifications in mm

ANTARIS P SERIES

	P 210	P 220	P 230
Rated output + / - 3%	210 Wp	220 Wp	230 Wp
Open circuit voltage	36.26 V	36.36 V	36.78 V
Short circuit current	8.02 A	8.24 A	8.36 A
Rated voltage	29.05 V	29.29 V	29.76 V
Rated current	7.23 A	7.52 A	7.80 A
Max. reverse current IR	15 A	15 A	15 A
Efficiency	12.9%	13.5%	14.1%

(Standard test conditions, irradiation: 1,000 W/m², module temperature: 25°C)

GENERAL DATA

External dimensions	1644 x 994 x 50 mm	Plug connection	MC 4-compatible
Total number of cells	60 units	Max. system voltage	1,000 V
Dimensions of individual cells	156 x 156 mm	Product warranty	12 years
Weight	19 kg	Performance warranty	10 years at 90% 30 years at 80% of the min. rated output
Bypass diodes	3 units	Certificates	TÜV certificates: ISO 9001 IEC 61215, IEC 61730
Temperature coefficient I _{sc}	+0.035% / K		
Temperature coefficient V _{oc}	-0.35% / K		
Temperature coefficient P _{mp}	-0.39% / K		