



Heckert Solar

FUTURE STARTS IN GERMANY



ZEUS 2.2

N-Type Bifacial glass-glass-module
710-715WP



ATTRACTIVE DESIGN



MODULE POWER UP TO 715WP



MODULE EFFICIENCY UP TO 23%

DE

GERMAN-
WARRANTOR



DIRECT
SERVICE

12

YEARS

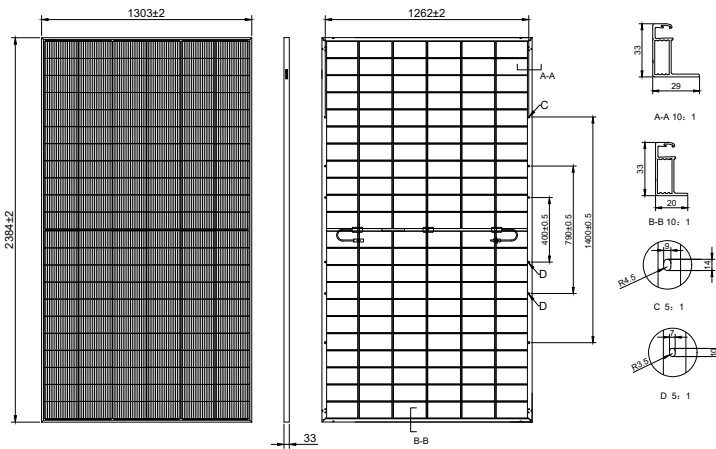
PRODUCT-
WARRANTY

30

YEARS

PERFORMANCE-
WARRANTY

DIMENSIONS IN MM



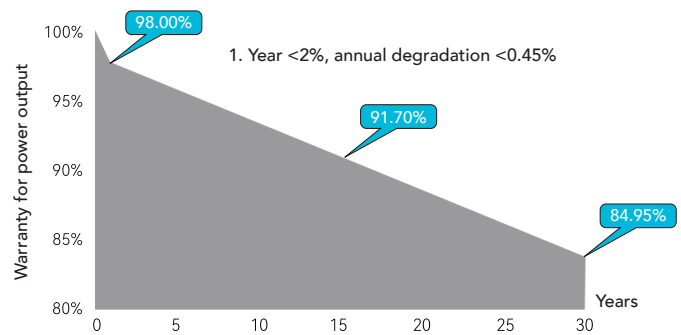
MODULE SPECIFICATIONS

Cell Technology	TNC n-type monocrystalline
Cells	132 half cut cells
Dimensions	2384±2 x 1303±2 x 33mm
Weight	37.9kg
Front Glass	2.0mm partially heat strengthened AR-glass
Rear Glass	2.0mm partially heat strengthened AR-glass
Frame	30mm silver anodized aluminium frame
Junction Box	3 diodes, IP68
Connecting Cable	4mm ²
Cable Length	+400mm, -200mm ± 1400mm on request
Max. Test-Load, push/pull	5400Pa / 2400Pa
Max. Design-Load, push/pull	3600Pa / 1600Pa

ELECTRICAL SPECIFICATIONS¹ (STC²)

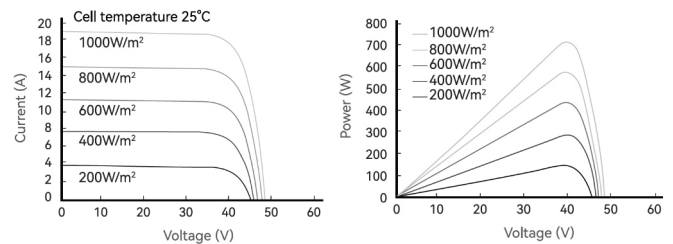
Rated Power P_{MPP} (Wp)	710	715
Max. Power Current I_{MPP} (A)	17.45	17.50
Max. Power Voltage V_{MPP} (V)	40.69	40.86
Short-circuit Current I_{SC} (A)	18.45	18.50
Open-circuit Voltage V_{OC} (V)	48.94	49.11
Module Efficiency (%)	22.9	23.0

LINEAR POWER OUTPUT WARRANTY

ELECTRICAL SPECIFICATIONS¹ (NMOT³)

Rated Power P_{MPP} (Wp)	534	538
Max. Power Current I_{MPP} (A)	14.09	14.13
Max. Power Voltage V_{MPP} (V)	37.90	38.08
Short-circuit Current I_{SC} (A)	14.90	14.94
Open-circuit Voltage V_{OC} (V)	46.49	46.65

I-V CURVE



BIFACIAL OUTPUT (STC)

5% P_{max} (Wp)	745	750
15% P_{max} (Wp)	816	822
25% P_{max} (Wp)	887	893

TEMPERATURE CHARACTERISTICS

Nominal Module Operating Temperature ³	45 ± 2°C
Temperature Coefficient P_{MAX} (%/°C)	- 0.28
Temperature Coefficient V_{OC} (%/°C)	- 0.24
Temperature Coefficient I_{SC} (%/°C)	+ 0.046

OPERATING CONDITIONS

Operation Temperature Range	-40 ~ +85°C
Max. System Voltage (VDC)	1500
Reverse Current Feed I_R (A)	35
Power Performance Tolerance (%)	0/+3
Max. Bifaciality (%)	80 ± 5

Measurements according to IEC 60904-3, measurements tolerance: I_{SC} ±4%, V_{OC} ±4%, P_{MPP} ±4%, bifaciality: 80% ± 5%, ²Standard Test Conditions STC: irradiation 1.000 W/m² with a spectrum of AM 1.5 at a cell temperature of 25°C. Maximum reduction in efficiency at 200W/m²: 2%. ³NMOT-Data: Nominal Module Operating Temperature at irradiation of 800W/m² and an ambient temperature of 20 °C. Operation temperature range between -40°C and +85°C. All dimensions +/-3mm. Technical specifications subject to changes. No liability is assumed for particulars. Please follow our installations instructions.

CERTIFICATES & WARRANTIES

IEC 61215, IEC 61730
 IEC 62716: Ammonia Corrosion
 IEC 61701: Salt Mist Corrosion
 IEC 62804: PID
 IEC 60068-2-68: Dust & Sand
 Fire Protection Class: A (acc. to UL 790)
 Product Warranty: 12 years
 Performance Warranty: 30 years
 33 Module/Palette, 594 Module/40'HC

