

ALPS66D50-TP

685-710W

Ultra-high Power 210N- N-Type
Double-sided, double-glass solar module

Made in EU

Production and development according to the highest quality standards.

Highly profitable

More energy yield over the same area even on cloudy or hot days.

Extremely durable

Outstanding cell stability and high breakage resistance thanks to patented SmartWire Connection Technology.

Consistently sustainable

Regional value creation, made without lead and PFAS, produced using 100% renewable energy.

Guaranteed reliability

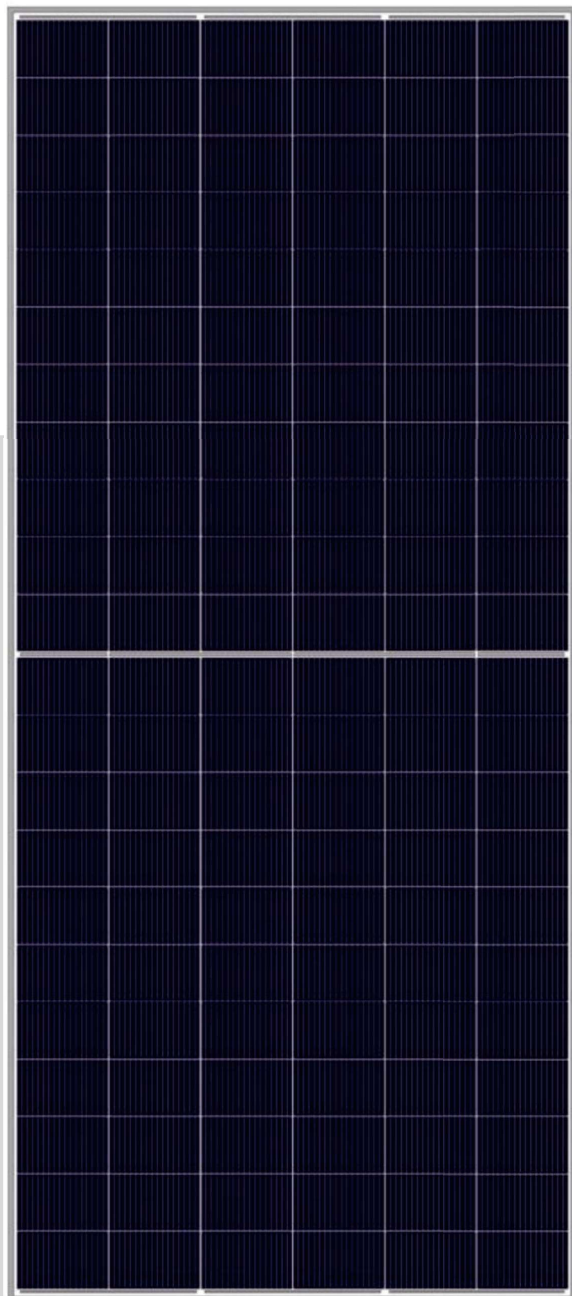
Industry-leading 25-year product and performance warranty.

Extremely aesthetic

Elegant Swiss design suitable for all roof shapes and sophisticated architecture.

Extremely practical

Convenient handling, maximum layout flexibility and maximum system performance thanks to compact format.

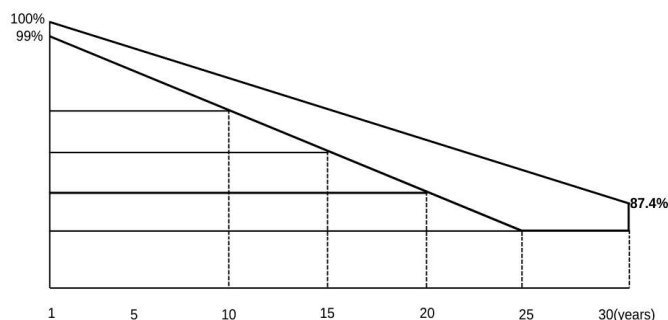


30
YEAR

Linearity power and output warranty

25
YEAR

Excellent products material and process warranty



Reduction within 0.4% per annum on average.

Certificates

IEC 61215, IEC 61730

ISO 9001: Quality Management System

ISO 14001: Environmental Management System

ISO 45001: Occupational Health And Safety Management System

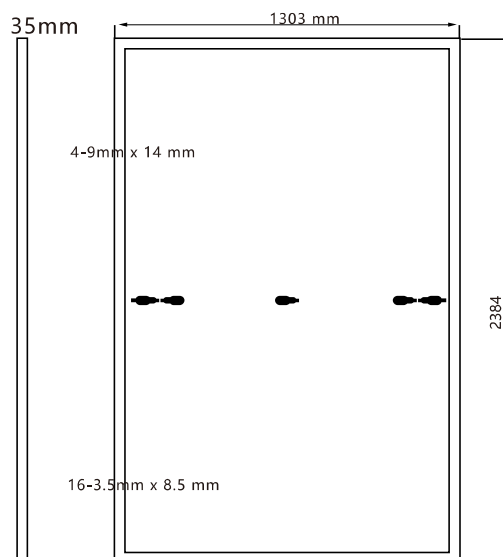
Apls66D50-TP 685-710W

MECHANICAL PROPERTIES

Cell type	210N-Type N-Type
Component weight	38kg
Component Size	2382x1303x35mm
Number of Cells	132(6x22)
Cable cross-sectional area	4mm ²
Junction Box	IP68, 3 diodes
Connector	MC4 EVO2
Packaging information	31 pieces per pallet 558 pcs per 40 HC

WORKING PARAMETERS

Maximum system voltage	1500V (TUV)
Operating temperature	-40°C~+85°C
Maximum fuse current rating	25A
Maximum static load, front	5400pa
Maximum static load,back side	2400pa
Nominal battery operating temperature	45±2°C
Application Level	classA



TEMPERATURE CHARACTERISTICS

Power	-0.30%/°C
Open circuit voltage	-0.25%/°C
Short-circuit current	-0.04%/°C

ELECTRICAL PERFORMANCE PARAMETERS UNDER STC

Model	Alps66D50 -685/TP	Alps66D50 -690/TP	Alps66D50 -695/TP	Alps66D50 -700/TP	Alps66D50 -705/TP	Alps66D50 -710/TP
Maximum power (W)	685	690	695	700	705	710
Voltage at maximum power point (VMPV)	39.75	40.00	40.25	40.50	40.75	41.00
Current at maximum power point (IMP/A)	17.23	17.25	17.27	17.28	17.30	17.32
Open circuit voltage (VOCN)	47.60	47.90	48.20	48.50	48.80	49.10
Short circuit current (ISC/A)	18.25	18.28	18.31	18.34	18.37	18.40
Component efficiency [%]	22.05%	22.21%	22.37%	22.53%	22.70%	22.86%
Power tolerance (W)	0~+5					
Standard test environment	Irradiance 1000W/m2,cell temperature 25°Cspectrum AM1.5					

Note: Due to continuous innovation, esearch and product upgrading, the parameters in this specification are not just a component,but can only be used for comparison between different types.

BIFACIAL OUTPUT - BACKSIDE POWER GAIN

Model	Alps66D50 -685/TP	Alps66D50 -690/TP	Alps66D50 -695/TP	Alps66D50 -700/TP	Alps66D50 -705/TP	Alps66D50 -710/TP
5% Power Output	719	725	730	735	740	746
Module Efficiency	23.15%	23.32%	23.49%	23.66%	23.83%	24.00%
10% Power Output	754	759	765	770	776	781
Module Efficiency	24.26%	24.43%	24.61%	24.79%	24.96%	25.14%
20% Power Output	822	828	834	840	846	852
Module Efficiency	26.46%	26.66%	26.85%	27.04%	27.23%	27.43%