

## ALPS66D50-TP

### 690-720W

High performance N-type  
Dual Glass Bifacial Solar Module

#### European Quality

Manufactured in the EU with the highest quality standards and advanced technology.

#### Exceptional Efficiency

Delivers superior energy yield even in low-light or high-temperature conditions.

#### Reliable Durability

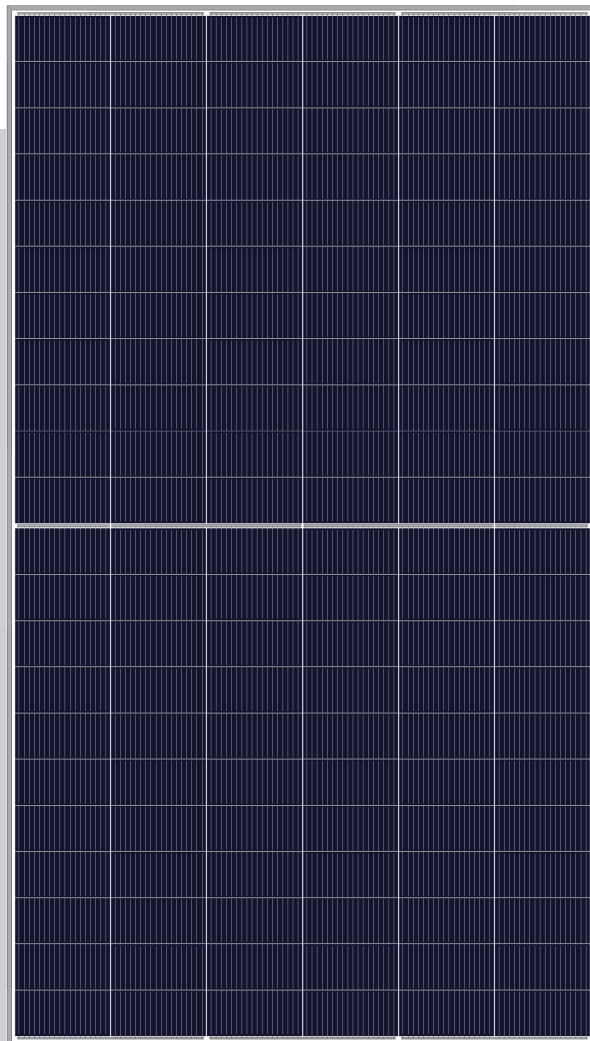
Engineered with premium tempered glass and reinforced frames for lasting reliability.

#### N-Type with Low LID

Advanced N-type cells minimize Light-Induced Degradation (LID) for performance stability.

#### Unmatched Warranty

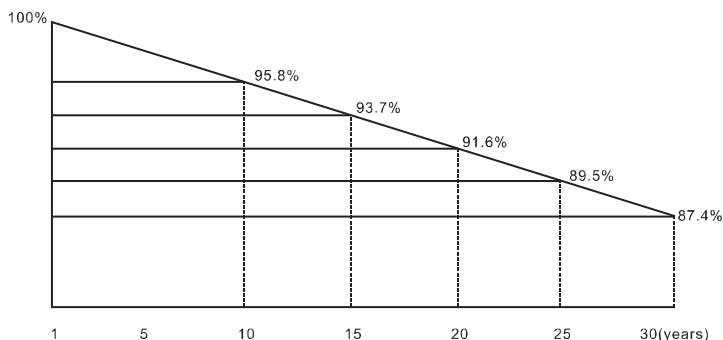
30-year performance and 25-year product coverage surpass industry norms.



Linearity power and output warranty



Excellent products material and process warranty



#### Comprehensive Certificates



Solutions

IEC 61215, IEC 61730, UL61730

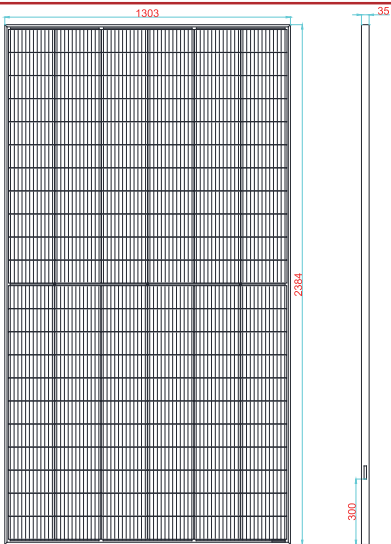
ISO 9001: 2015 / Quality Management System

ISO 14001: 2015 / Environmental Management System

ISO 45001: 2018 / Occupational Health And Safety

MECHANICAL PROPERTIES

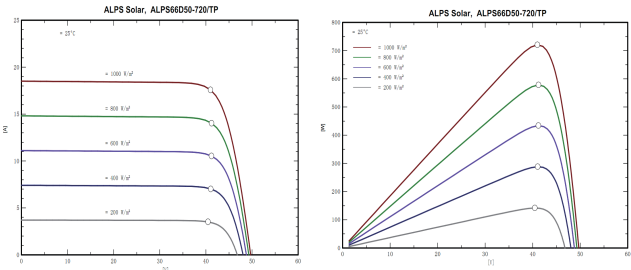
Solar Cells	210N-type
Number of Cells	132(6×21)
Module Dimensions	2384×1303×30 mm
Weight	38kg
Cable Cross Section Size	4mm²(IEC),12AWG(UL)
Junction Box	IP68, 3diodes
Connector	MC4 / EVO 2A
Cable Length(Including Connector)	500mm
Front Glass/Back Glass	2.0mm/2.0mm (White Grid Glass)
Packaging information	36pcs/Pallet,648pcs/40HQ Container



WORKING PARAMETERS

Maximum System Voltage	1500V DC (IEC)
Operational Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front	5400 pa
Maximum Static Load, Back	2400 pa
NOCT	45±2°C
Safety Class	Class A

CHARACTERISTICS



ELECTRICAL DATA (STC&BNPI)

Model	ALPS66D50 -690/TP	ALPS66D50 -695/TP	ALPS66D50 -700/TP	ALPS66D50 -705/TP	ALPS66D50 -710/TP	ALPS66D50 -715/TP	ALPS66D50 -720/TP
Testing Condition	STC	STC	STC	STC	STC	STC	STC
Rated Maximum Power (Pmax) [W]	690	695	700	705	710	715	720
Maximum Power Voltage (Vmp) [V]	40.00	40.25	40.50	40.75	41.00	41.25	41.50
Maximum Power Current (Imp) [A]	17.25	17.27	17.28	17.30	17.32	17.33	17.35
Open Circuit Voltage (Voc) [V]	47.90	48.20	48.50	48.80	49.10	49.40	49.70
Short Circuit Current (Isc) [A]	18.28	18.31	18.34	18.37	18.40	18.45	18.51
Module Efficiency [%]	22.21%	22.37%	22.53%	22.70%	22.86%	23.02%	23.18%
Power Tolerance	0~+3%						
Temperature Coefficient of Isc	+0.044%/°C						
Temperature Coefficient of Voc	-0.250%/°C						
Temperature Coefficient of Pmax	-0.290%/°C						
Standard test environment	STC:Irradiance 1000W/m2, Cell Temperature 25°C, Air Mass AM1.5 BNPI: Irradiance: front 1000W/m, rear 135W/m2, Cell Temperature 25°C, AM=1.5						

Note:Continuous innovation and product upgrades may result in changes to specifications. These parameters are intended for comparison between different models only.

BIFACIAL OUTPUT-BACKSIDE POWER GAIN

Model	ALPS66D50 -690/TP	ALPS66D50 -695/TP	ALPS66D50 -700/TP	ALPS66D50 -705/TP	ALPS66D50 -710/TP	ALPS66D50 -715/TP	ALPS66D50 -720/TP
5% Power Output (W)	725	730	735	740	746	751	756
Module Efficiency	23.32%	23.49%	23.66%	23.83%	24.00%	24.17%	24.34%
10% Power Output (W)	759	765	770	776	781	787	792
Module Efficiency	24.43%	24.61%	24.79%	24.96%	25.14%	25.32%	25.50%
20% Power Output (W)	828	834	840	846	852	858	864
Module Efficiency	26.66%	26.85%	27.04%	27.23%	27.43%	27.62%	27.81%