



**ISOFAST
ENERGIA**



ROMANIAN ROOTS
GLOBAL ENERGY SOLUTIONS

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 info@isofastenergia.it

I SOFAST ENERGIA & ALPS SOLAR



INDUSTRY-LEADING
NON-CHINESE MANUFACTURING

ROMANIAN ROOTS, GLOBAL ENERGY SOLUTIONS

Company Overview

Isofast Energia Srl, azienda italiana impegnata nella promozione e distribuzione di soluzioni fotovoltaiche europee, ha investito in quote societarie di Alps Solar Energy, rafforzando così una partnership strategica volta a sostenere la diffusione dei moduli solari di produzione europea inclusi nel portale ENEA 5.0.

Isofast Energia Srl è inoltre distributore ufficiale dei moduli fotovoltaici Alps Solar per il mercato europeo, contribuendo alla crescita e alla valorizzazione di tecnologie energetiche ad alta efficienza e sostenibilità.

Alps Solar Energy è un leader nel settore delle energie rinnovabili, che gestisce il primo e più grande impianto di produzione di moduli solari in Romania. Situata strategicamente a Călărași, la struttura all'avanguardia si estende su oltre 12.000 m² e vanta un'imponente capacità produttiva annuale di 2 GW. Dotata delle più recenti tecnologie produttive e di una linea di assemblaggio completamente automatizzata, la fabbrica garantisce i più elevati standard di efficienza e qualità in ogni modulo solare realizzato.

Alps Solar ha inoltre ampliato la propria presenza internazionale con una nuova struttura da 2 GW per moduli solari e 4 GW per celle solari situata nella città di Panabo, nelle Filippine. Questo investimento rafforza la diversificazione geografica dell'azienda, la resilienza della catena di approvvigionamento e la capacità di garantire un approvvigionamento conforme alle normative FEOC per i propri clienti

2 GW

PV Modules in Romania

2 GW

PV Modules in the Philippines

4 GW

PV Cells in the Philippines

300+

Employees Globally





MADE IN ROMANIA

Located in Călărași, Romania, our state-of-the-art manufacturing facility boasts an impressive annual production capacity of 2 GW. We have also expanded our footprint with a new facility in Panabo City, Philippines, which has a designed capacity of 4 GW for solar cells and 2 GW for solar modules. This enables us to efficiently meet the growing global demand for solar panels, from large-scale solar farms to smaller installations.

Utilizing advanced automation, cutting-edge machinery, and streamlined processes, we deliver high-quality panels with consistent performance and reliability.

Struttura Produttiva All'Avanguardia

La nostra struttura avanzata è equipaggiata con le più recenti tecnologie e macchinari, consentendo l'assemblaggio e la produzione efficiente di pannelli fotovoltaici ad alte prestazioni. Grazie a sistemi di automazione all'avanguardia, garantiamo precisione, velocità e uniformità senza pari, posizionandoci come leader nel settore dei pannelli solari.

Linea di Produzione High-Tech

Progettata per l'efficienza e la scalabilità, la nostra linea di produzione è in grado di gestire grandi volumi mantenendo una qualità eccezionale in ogni fase. L'integrazione di robotica avanzata assicura che ogni pannello sia realizzato con precisione, affidabilità e uniformità.

Precisione Attraverso la Robotica

L'automazione è al centro del nostro processo produttivo. Bracci robotici assemblano meticolosamente ogni pannello, eliminando l'errore umano e migliorando significativamente l'efficienza complessiva. Questo impegno per la precisione e l'innovazione garantisce che ogni pannello soddisfi i più alti standard di qualità e prestazioni.



Controllo Qualità Inflexibile

In ALPS Solar, i nostri rigorosi meccanismi di controllo qualità garantiscono che ogni pannello non solo soddisfi, ma superi gli standard del settore. Stazioni di ispezione equipaggiate con tecnologia avanzata sono posizionate strategicamente lungo le nostre linee di produzione per rilevare difetti o incongruenze con precisione ed efficienza.

Test Completi per l'Affidabilità

Ogni pannello viene sottoposto a test approfonditi per garantirne le prestazioni ottimali in condizioni naturali. Valutando meticolosamente l'integrazione delle celle fotovoltaiche, assicuriamo la durata e l'affidabilità di ogni prodotto che forniamo.

Macchinari e Attrezzature All'Avanguardia

Dalla gestione delle materie prime all'assemblaggio e testing del prodotto finale, i nostri processi produttivi sono supportati da macchinari allo stato dell'arte. Questo garantisce uniformità, precisione ed eccellenza in ogni fase della produzione.

Automazione Senza Soluzione di Continuità con Sistemi a Nastro Trasportatore

I nostri sistemi automatizzati a nastro trasportatore ottimizzano la produzione, movimentando i pannelli in modo efficiente attraverso ogni fase manifatturiera. Questo flusso di lavoro scorrevole e uniforme aumenta la produttività mantenendo i più alti standard qualitativi.



Commitment to Excellence: Certifications and Standards

Hail Resistance – Withstands 45mm & 55mm hail impacts, achieving the highest industry standards for hail resistance performance.

UL 61730 – Core safety certification for North American market access. Ensures operational safety of ALPS PV Module in extreme environments.

IEC 61215 – The certification validates the performance, reliability, and durability of PV modules, ensuring they withstand prolonged outdoor exposure under real-world conditions.

IEC 61730 – We comply with this essential safety standard, ensuring PV modules are constructed and operate safely across diverse environments.

ISO 9001 – Our factory operates under a rigorous quality management system, delivering consistent product excellence, driving continuous improvement, and ensuring customer satisfaction.

ISO 14001 – We are dedicated to environmental sustainability, designing our processes to minimize environmental impact, meet regulatory requirements, and promote eco-friendly practices.

ISO 45001 – The safety of our employees is a top priority. We maintain a workplace that adheres to the highest standards of occupational health and safety, reducing risks and fostering a secure and healthy working environment.

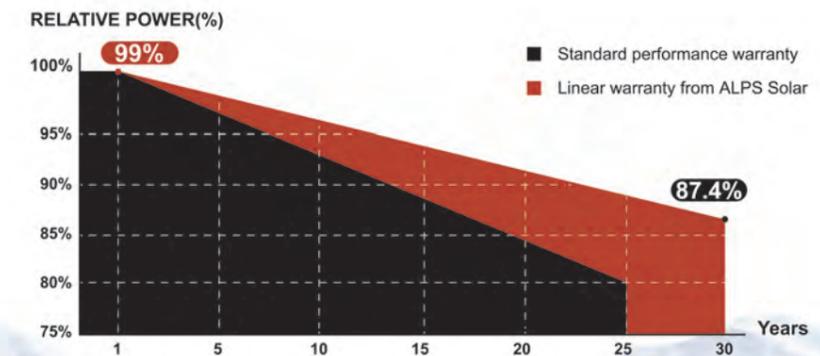


Confidence in Quality: Industry-Leading Warranty

We back our products with an industry-leading warranty, reflecting our unwavering commitment to quality, reliability, and customer satisfaction.

30 YEARS LINEARITY POWER AND OUTPUT WARRANTY

25 YEARS EXCELLENT PRODUCTS MATERIAL AND PROCESS WARRANTY



Integrated Approach for Exceptional Quality

Alps Solar Energy's dedication to excellence is demonstrated through our comprehensive quality management system. Certified in Quality Management, Environmental Management, and Occupational Health and Safety, we consistently deliver premium products while maintaining a steadfast commitment to reliability, sustainability, and safety.

Exceptional Quality Control

IEC 61215 IEC 61730 ISO 9001 ISO 14001 ISO 45001



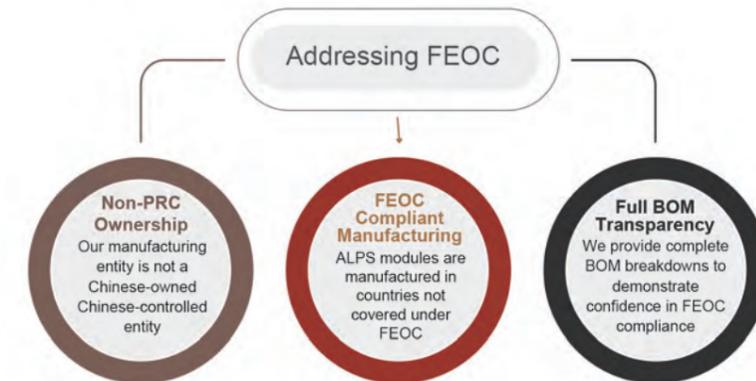
Tier 1 White Label



FEOC Risk Mitigation

As FEOC (Foreign Entity of Concern) regulations continue to evolve, we understand the importance of delivering modules that fully comply with U.S. tax credit eligibility and regulatory standards.

At ALPS Solar, we are committed to supporting our partners by offering transparent ownership structures, flexible manufacturing locations, and complete supply chain traceability to mitigate FEOC-related risks.



Safe Harbor Delivery Planning

Navigating the IRS Safe Harbor requirements is critical for securing tax credit eligibility under the IRA. ALPS Solar supports clients with tailored title transfer strategies and coordinated documentation to allow for compliant transactions that reduce audit risk.

Flexible Title Transfer Options:

- We work closely with clients to structure title transfer solutions that align with IRS Safe Harbor rules.
- This includes early transfer at the manufacturing facility to help clients meet with their requirements.

Proactive Delivery & Documentation:

- ALPS provides a clear project timeline with milestone tracking for manufacturing, shipment and delivery.
- We supply timely commercial invoices, shipping documents, and title transfer confirmations to help clients substantiate Safe Harbor eligibility.

ALPS54D30-TP

430-460W

High performance N-type
Double glass bifacial 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.

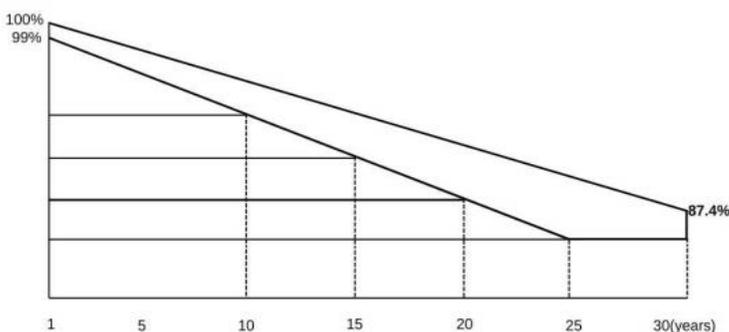
Extremely practical

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

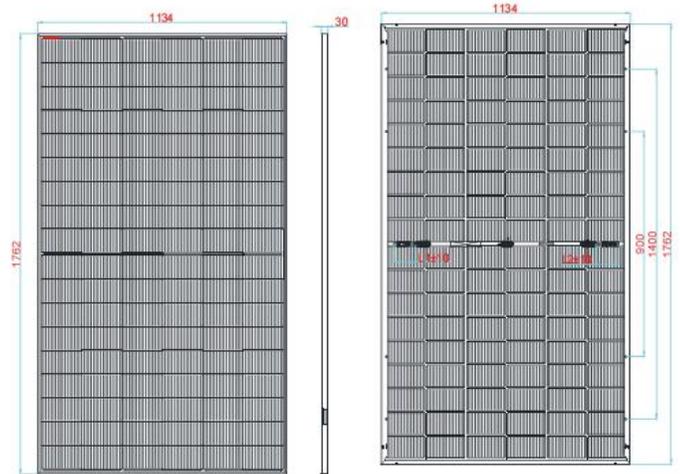


Certificates

TUV CE UL
IEC 61215, IEC 61730
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO 45001: Occupational Health And Safety Management System

MECHANICAL PROPERTIES

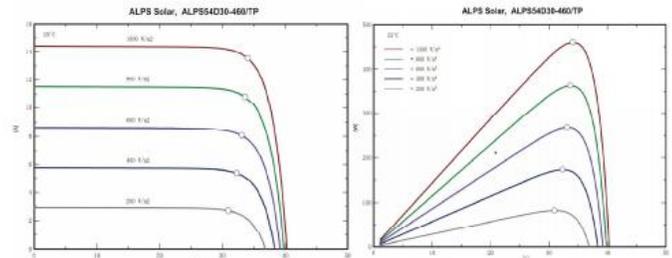
Solar Cells	N-type
Number of Cells	108(6×18)
Module Dimensions	1762×1134×30×15mm
Weight	24kg
Cable Cross Section Size	4mm ² (IEC),12AWG(UL)
Junction Box	IP68, 3diodes
Connector	MC4 / EVO 2A
Cable Length(Including Connector)	290mm
Front Glass/Back Glass	2.0mm/2.0mm (White Grid Glass)
Packsging information	36pcs/Pallet,936pcs/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	ALPS54D30-430/TP		ALPS54D30-435/TP		ALPS54D30-440/TP		ALPS54D30-445/TP		ALPS54D30-450/TP		ALPS54D30-455/TP		ALPS54D30-460/TP	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Rated Maximum Power(Pmax) [W]	430	476	435	482	440	488	445	493	450	499	455	504	460	510
Maximum Power Voltage(Vmp) [V]	32.55	32.65	32.75	32.85	32.95	33.05	33.15	33.25	33.25	33.35	33.45	33.55	33.65	33.75
Maximum Power Current(Imp) [A]	13.21	14.59	13.28	14.67	13.35	14.75	13.42	14.83	13.53	14.95	13.60	15.03	13.67	15.10
Open Circuit Voltage (voc) [v]	39.10	39.2	39.30	39.4	39.50	39.6	39.70	39.8	39.90	40.0	40.10	40.2	40.30	40.4
Short Circuit Current(Isc) [A]	14.01	15.51	14.08	15.58	14.15	15.65	14.21	15.71	14.28	15.78	14.34	15.84	14.40	15.90
Module Efficiency [%]	21.52		21.77		22.02		22.27		22.52		22.77		23.02	
Power Tolerance	0~+3%													
Temperature Coefficient ofIsc(Isc)	0.044%/°C													
Temperature Coefficient ofVoc (Voc)	-0.250%/°C													
Temperature Coefficient of Pmax(Pmp)	-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: Due to continuous innovation, research 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		ALPS54D30-430/TP	ALPS54D30-435/TP	ALPS54D30-440/TP	ALPS54D30-445/TP	ALPS54D30-450/TP	ALPS54D30-455/TP	ALPS54D30-460/TP
5%	Power Output	452	457	462	467	473	478	483
	Module Efficiency	22.60%	22.86%	23.12%	23.38%	23.65%	23.91%	24.17%
10%	Power Output	473	479	484	490	495	501	506
	Module Efficiency	23.67%	23.95%	24.22%	24.50%	24.77%	25.05%	25.32%
20%	Power Output	516	522	528	534	540	546	552
	Module Efficiency	25.82%	26.12%	26.42%	26.73%	27.03%	27.33%	27.63%

Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.

ALPS60D30-TP

480-510W

High performance N-type
Double glass bifacial 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.

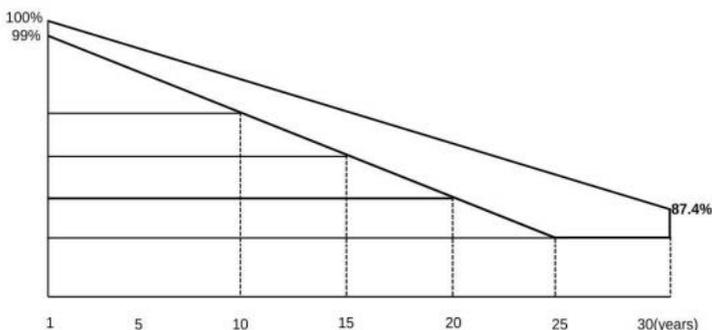
Extremely practical

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

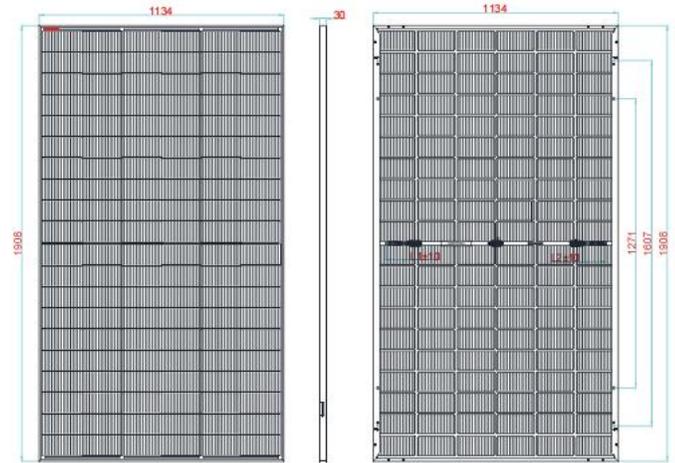


Certificates

- TUV CE UL
- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO 45001: Occupational Health And Safety Management System

MECHANICAL PROPERTIES

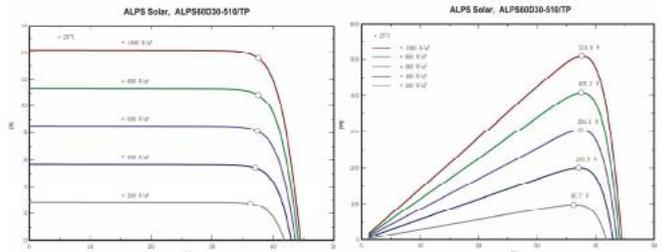
Solar Cells	N-type
Number of Cells	120(6×20)
Module Dimensions	1908×1134×30×15mm
Weight	26kg
Cable Cross Section Size	4mm ² (IEC),12AWG(UL)
Junction Box	IP68, 3diodes
Connector	MC4 / EVO 2A
Cable Length(Including Connector)	290mm
Front Glass/Back Glass	2.0mm/2.0mm (White Grid Glass)
Packsging information	36pcs/Pallet,864pcs/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	ALPS60D30-480/TP		ALPS60D30-485/TP		ALPS60D30-490/TP		ALPS60D30-495/TP		ALPS60D30-500/TP		ALPS60D30-505/TP		ALPS60D30-510/TP	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Rated Maximum Power(Pmax) [W]	480	532	485	537	490	543	495	548	500	554	505	560	510	565
Maximum Power Voltage(Vmp) [V]	36.35	36.45	36.55	36.65	36.75	36.85	36.95	37.05	37.15	37.25	37.35	37.45	37.55	37.65
Maximum Power Current(Imp) [A]	13.20	14.59	13.27	14.66	13.33	14.73	13.40	14.80	13.46	14.87	13.52	14.94	13.58	15.01
Open Circuit Voltage (voc) [v]	43.30	43.4	43.50	43.6	43.70	43.8	43.90	44.0	44.10	44.2	44.30	44.4	44.50	44.6
Short Circuit Current(Isc) [A]	13.81	15.31	13.87	15.37	13.93	15.43	13.99	15.49	14.05	15.55	14.11	15.61	14.17	15.67
Module Efficiency [%]	22.18		22.42		22.65		22.88		23.11		23.34		23.57	
Power Tolerance							0~+3%							
Temperature Coefficient ofIsc(Isc)							0.044%/°C							
Temperature Coefficient ofVoc (Voc)							-0.250%/°C							
Temperature Coefficient of Pmax(Pmp)							-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: 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	ALPS60D30-480/TP		ALPS60D30-485/TP		ALPS60D30-490/TP		ALPS60D30-495/TP		ALPS60D30-500/TP		ALPS60D30-505/TP		ALPS60D30-510/TP		
	5%	10%	20%	5%	10%	20%	5%	10%	20%	5%	10%	20%	5%	10%	
Power Output	504	528	576	509	534	582	515	539	588	520	545	594	525	550	600
Module Efficiency	23.29%	24.40%	26.62%	23.54%	24.66%	26.90%	23.78%	24.91%	27.18%	24.02%	25.17%	27.45%	24.26%	25.42%	27.73%

Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.

ALPS72D30-TP

580-610W

High performance N-type
Double glass bifacial 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.

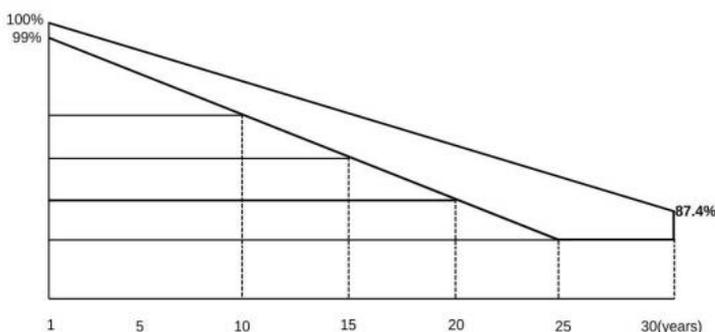
Extremely practical

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

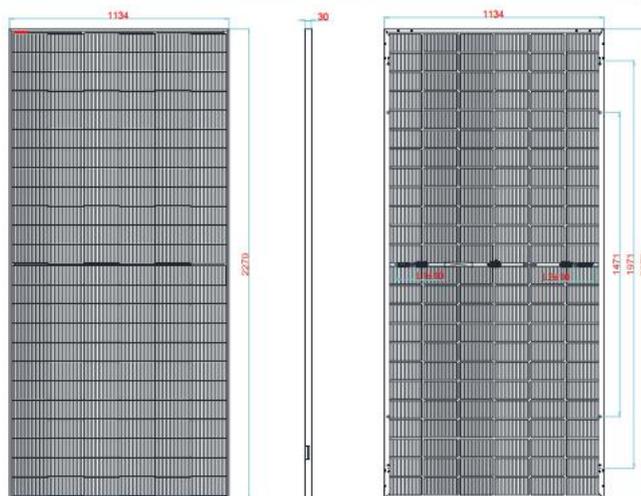


Certificates

- TUV CE UL
- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO 45001: Occupational Health And Safety Management System

MECHANICAL PROPERTIES

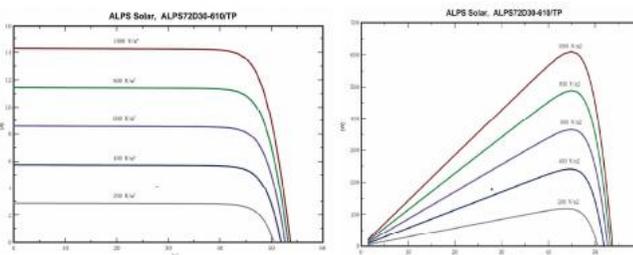
Solar Cells	N-type
Number of Cells	144(6×24)
Module Dimensions	2279×1134×30×15mm
Weight	31kg
Cable Cross Section Size	4mm ² (IEC),12AWG(UL)
Junction Box	IP68, 3diodes
Connector	MC4 / EVO 2A
Cable Length(Including Connector)	290mm
Front Glass/Back Glass	2.0mm/2.0mm (White Grid Glass)
Packsging information	36pcs/Pallet,720pcs/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	ALPS72D30-580/TP		ALPS72D30-585/TP		ALPS72D30-590/TP		ALPS72D30-595/TP		ALPS72D30-600/TP		ALPS72D30-605/TP		ALPS72D30-610/TP	
	STC	BNPI												
Rated Maximum Power(Pmax) [W]	580	643	585	648	590	654	595	659	600	665	605	670	610	676
Maximum Power Voltage(Vmp) [V]	43.95	44.05	44.15	44.25	44.35	44.45	44.55	44.65	44.75	44.85	44.95	45.05	45.15	45.25
Maximum Power Current(Imp) [A]	13.20	14.59	13.25	14.65	13.30	14.71	13.36	14.77	13.41	14.82	13.46	14.88	13.51	14.94
Open Circuit Voltage (voc) [V]	52.50	52.60	52.70	52.80	52.90	53.00	53.10	53.20	53.30	53.40	53.50	53.60	53.70	53.80
Short Circuit Current(Isc) [A]	13.93	15.43	13.99	15.49	14.05	15.55	14.11	15.61	14.17	15.67	14.23	15.73	14.29	15.79
Module Efficiency [%]	22.44		22.64		22.83		23.02		23.22		23.41		23.60	
Power Tolerance	0~+3%													
Temperature Coefficient ofIsc	0.044%/°C													
Temperature Coefficient ofVoc (Voc)	-0.250%/°C													
Temperature Coefficient of Pmax(Pmp)	-0.290%/°C													

STC:Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5
 BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5

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

BIFACIAL OUTPUT-BACKSIDE POWER GAIN

Model		ALPS72D30-580/TP	ALPS72D30-585/TP	ALPS72D30-590/TP	ALPS72D30-595/TP	ALPS72D30-600/TP	ALPS72D30-605/TP	ALPS72D30-610/TP
5%	Power Output	609	614	620	625	630	635	641
	Module Efficiency	23.56%	23.77%	23.97%	24.17%	24.38%	24.58%	24.78%
10%	Power Output	638	644	649	655	660	666	671
	Module Efficiency	24.69%	24.90%	25.11%	25.33%	25.54%	25.75%	25.96%
20%	Power Output	696	702	708	714	720	726	732
	Module Efficiency	26.93%	27.16%	27.40%	27.63%	27.86%	28.09%	28.32%

Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.

ALPS66D30-TP

530-560W

High performance N-type
Double glass bifacial solar module

Made in EU

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Highly profitable

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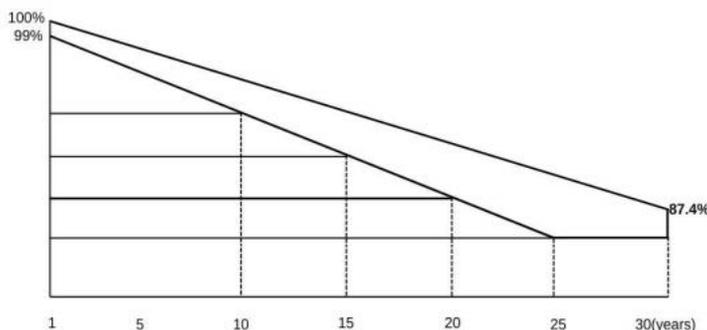
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YEAR Linearity power and output warranty

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YEAR Excellent products material and process warranty

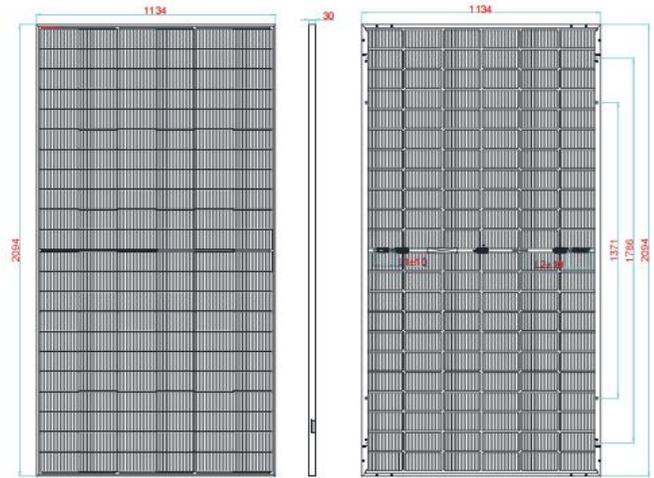


Certificates

- TUV CE UL
- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO 45001: Occupational Health And Safety Management System

MECHANICAL PROPERTIES

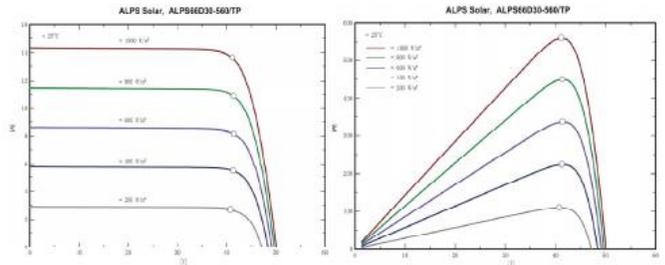
Solar Cells	N-type
Number of Cells	132(6×22)
Module Dimensions	2094×1134×30×15mm
Weight	28kg
Cable Cross Section Size	4mm ² (IEC),12AWG(UL)
Junction Box	IP68, 3diodes
Connector	MC4 / EVO 2A
Cable Length(Including Connector)	290mm
Front Glass/Back Glass	2.0mm/2.0mm (White Grid Glass)
Packsging information	36pcs/Pallet,720pcs/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	ALPS66D30-530/TP		ALPS66D30-535/TP		ALPS66D30-540/TP		ALPS66D30-545/TP		ALPS66D30-550/TP		ALPS66D30-555/TP		ALPS66D30-560/TP	
	STC	BNPI												
Rated Maximum Power(Pmax) [W]	530	587	535	593	540	598	545	604	550	609	555	615	560	620
Maximum Power Voltage(Vmp) [V]	40.05	40.15	40.25	40.35	40.45	40.55	40.65	40.75	40.85	40.95	41.05	41.15	41.25	41.35
Maximum Power Current(Imp) [A]	13.23	14.63	13.29	14.69	13.35	14.76	13.41	14.82	13.46	14.88	13.52	14.94	13.58	15.01
Open Circuit Voltage (voc) [v]	48.90	49.00	49.10	49.20	49.50	49.40	49.50	49.60	49.70	49.80	49.90	50.00	50.10	50.20
Short Circuit Current(Isc) [A]	13.94	15.44	14.00	15.50	14.12	15.56	14.12	15.62	14.18	15.68	14.24	15.74	14.30	15.80
Module Efficiency [%]	22.32		22.53		22.74		22.95		23.16		23.37		23.58	
Power Tolerance	0~+3%													
Temperature Coefficient ofIsc(Isc)	0.044%/°C													
Temperature Coefficient ofVoc (Voc)	-0.250%/°C													
Temperature Coefficient of Pmax(Pmp)	-0.290%/°C													

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: Due to continuous innovation, research 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	ALPS66D30-530/TP		ALPS66D30-535/TP		ALPS66D30-540/TP		ALPS66D30-545/TP		ALPS66D30-550/TP		ALPS66D30-555/TP		ALPS66D30-560/TP	
	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Power Output	557	583	562	589	567	594	572	600	578	605	583	611	588	616
Module Efficiency	23.44%	24.55%	23.66%	24.78%	23.88%	25.01%	24.10%	25.25%	24.32%	25.48%	24.54%	25.71%	24.76%	25.94%
Power Output	636	660	642	666	648	672	654	680	660	686	666	692	672	698
Module Efficiency	26.78%	28.05%	27.04%	28.31%	27.29%	28.56%	27.54%	28.81%	27.79%	29.06%	28.05%	29.32%	28.30%	29.57%

Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.



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