SolarNova

AIKO ABC Modules & SN- Mounting Systems

Supply brochure for EPCs, installers and distributors

Built for your next energy project.

A B2B supplier of AIKO ABC modules and SN- mounting, rails, clamps and accessories.



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Who we are

SolarNova is a Chinese B2B supplier and exporter of PV products for EPCs, installers, distributors and developers in international markets.

SolarNova designs and manufactures SN- mounting in our factory in Xiamen, Fujian, China. Factory area, headcount, mounting capacity and founding year are listed on the following page.

How we work

Project RFQ review, module and mounting selection, export packaging and delivery planning, and a written quotation that confirms specifications, quality checks and documents for that order.

AIKO is the brand and the manufacturer. SolarNova is a supplier, not the manufacturer.

What we supply

Working hours: Monday–Saturday, 09:00–18:00 (China Standard Time, UTC+8)



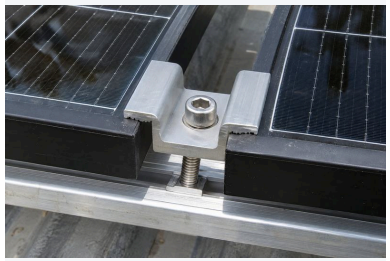
AIKO ABC modules (manufacturer: AIKO)



SN- mounting systems



SN- aluminum rails



SN- clamps



SN- accessories

Our factory

SN- mounting systems, rails, clamps and steel profiles are designed and manufactured in our factory. SolarNova also supplies genuine AIKO ABC modules; AIKO is the brand and the manufacturer.

The factory combines research and development, manufacturing and sales. We can undertake installation work and EPC contracts, and we support project consultation, site survey, system design, production and transport, installation, grid-connection formalities and plant operation and maintenance.

Core product areas include solar and seismic mounting, commercial and industrial rooftops, residential PV, floating PV, fishery-solar complementary projects and agricultural greenhouse structures. U-channel series U41×21 / U41×42 / U41×52 / U41×62 are Q235B, hot-dip galvanized. C-channel profiles are specified in Q235B/SCS51D; hot-dip galvanized and Zn-Al-Mg finishes are both available.

LOCATION	FOUNDED	FACTORY AREA	EMPLOYEES	MOUNTING CAPACITY
Xiamen, Fujian, China	**2015**	**5,000 m²**	**200**	**200 MW per year**

ISO 9001:2015 certified quality management. Products tested by SGS.



Steel wire raw material
Our factory



Extrusion production line
Our production line



Stamping workshop
Our factory



Extrusion machines
Our production line



Workshop production line
Our production line



Helical ground-screw yard
Our factory

Applications



Tile roofs



Metal roofs



Flat roofs



Ground-mount plants



Solar carports

Illustrative application photos, not SolarNova project case studies.

AIKO ABC overview

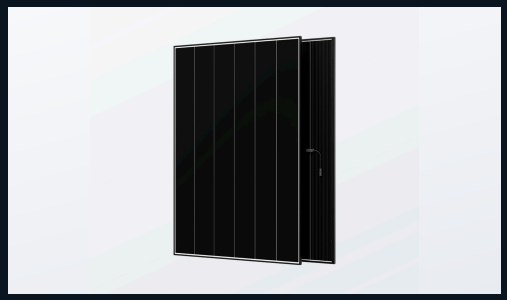
AIKO is the brand and the manufacturer. SolarNova is a supplier of selected AIKO ABC modules, not the manufacturer.

N-Type ABC back-contact cells. Shared figures below apply across the listed series unless a row says otherwise.

Cell technology	N-Type ABC (back-contact)
Power tolerance	0 to +3%
Temperature coefficient of Pmax	−0.26%/°C
Temperature coefficient of Voc	−0.22%/°C
Temperature coefficient of Isc	+0.05%/°C
Maximum system voltage	1500 V DC
Mechanical test load	front 5400 Pa / back 2400 Pa
Power degradation (manufacturer terms)	first year ≤1%; years 2–30 ≤0.35% per year
Junction box	IP68, three bypass diodes











Front — no busbars



Dual-glass back



ABC cell detail

Specifications are taken from current AIKO manufacturer datasheets used on the SolarNova website. Confirm power-bin availability when quoting. Product and performance warranties are AIKO manufacturer terms.

AIKO® is a trademark of AIKO. SolarNova is an independent supplier of genuine AIKO modules; product images courtesy of AIKO.

AIKO Neostar

Series	Model family	Power (STC)	Max efficiency	Cells	Dimensions (mm)	Weight	Construction	Frame	Product warranty*
Neostar 1S+	AIKO-A-MAH54Mb	435–455 W	23.3%	108	1722 × 1134 × 30	24.2 kg	Dual glass	Black anodized	25 years
Neostar 2S	AIKO-A-MAH54Mb	440–470 W	23.6%	108	1757 × 1134 × 30	20.6 kg ±3%	Single glass + backsheet	Black anodized	25 years
Neostar 2S+	AIKO-A-MAH54Db	440–470 W	23.6%	108	1757 × 1134 × 30	24.2 kg ±3%	Dual glass	Black anodized	25 years
Neostar 2P	AIKO-A-MAH54Mw	450–485 W	24.3%	108	1757 × 1134 × 30	20.6 kg ±3%	Single glass + backsheet	Black anodized	15 years
Neostar 3S54	AIKO-A-MCE54Mb	460–495 W	24.8%	108	1762 × 1134 × 30	21.1 kg ±3%	Single glass + backsheet	Black anodized	25 / 30 years†
Neostar 3S+54	AIKO-A-MCE54Db	460–475 W	23.8%	108	1762 × 1134 × 30	24.2 kg ±3%	Dual glass	Black anodized	25 years
Neostar 3P54	AIKO-A-MCE54Mw	470–500 W	25.0%	108	1762 × 1134 × 30	21.1 kg ±3%	Single glass + backsheet	Black anodized	15 years
Neostar 3P+54	AIKO-A-MCE54Dw	465–495 W	24.8%	108	1762 × 1134 × 30	24.2 kg ±3%	Dual glass	Black anodized	15 years
Neostar 3P+60	AIKO-A-MCE60Dw	530–550 W	24.8%	120	1954 × 1134 × 30	27.1 kg ±3%	Dual glass	Black anodized	15 years

† Neostar 3S54 product warranty: 25 years (460–475 W bins); 30 years (480–495 W bins). All rows: performance warranty is a 30-year linear power warranty (AIKO manufacturer terms).

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AIKO Comet & Stellar

Series	Model family	Power (STC)	Max efficiency	Cells	Dimensions (mm)	Weight	Construction	Frame	Product warranty*
Comet 1N	AIKO-A-MAH72Mw	585–630 W	24.4%	144	2278 × 1134 × 30	27 kg ±3%	Single glass + backsheet	Anodized	15 years
Comet 2N	AIKO-A-MAH72Mw	605–635 W	24.1%	144	2323 × 1134 × 30	27.7 kg ±3%	Single glass + backsheet	Anodized	15 years
Comet 3N72	AIKO-A-MDE72Mw	655–690 W	25.5%	144	2382 × 1134 × 30	28.2 kg ±3%	Single glass + backsheet	Anodized	15 years
Stellar 3N+72	AIKO-A-MDE72Dw	650–685 W	25.4%	144	2382 × 1134 × 30	32.2 kg ±3%	Dual glass	Anodized	15 years

All rows: 30-year linear performance warranty (AIKO manufacturer terms).

Note for Comet 1N only: 585–600 W bins come from an earlier datasheet revision; 605–630 W from a later revision. Confirm current availability per bin.

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SN- mounting systems

SolarNova SN- mounting systems for tile, metal and flat roofs, ground plants and carports, supplied as a project-configured package of structure, rails, clamps and fasteners.



Steel wire raw material
Our factory



Extrusion machines
Our production line



Stamping workshop
Our factory



Workshop production line
Our production line



Ground-screw yard
Our factory

Model	System	Typical materials	Typical wind	Typical snow	Typical tilt	Fixing
SN-MT-TILE	Tile roof	AL6005-T5 rails / SUS304 hooks	Up to 60 m/s	Up to 1.4 kN/m²	Roof pitch, typically 10–60°	Adjustable hooks fixed to verified rafters
SN-MT-METAL	Metal roof	Typically AL6005-T5 with SUS304 fasteners	Up to 60 m/s	Up to 1.4 kN/m²	Typically roof-parallel unless a tilt kit is specified	Clamps, L-feet, mini-rail or full rails after roof-profile review
SN-MT-FLAT	Flat roof, ballasted	AL6005-T5 / SUS304 / HDG Q235	Up to 60 m/s	Up to 1.4 kN/m²	10–15°, south-facing or east–west	Non-penetrating ballast with protective separation pads
SN-MT-GROUND	Ground mount	HDG Q235/Q355 steel / AL6005-T5	Up to 60 m/s	Up to 2.0 kN/m²	10–35°, project-specific	Ground screws or concrete foundations after soil review
SN-MT-CAR	Solar carport	Typically AL6005-T5 or HDG structural steel, aluminum module interfaces	Up to 60 m/s	Up to 2.0 kN/m²	Typically 5–15°	Typically concrete piers/footings, or piles/screws after soil and layout review
SN-GS Series	Helical ground-screw piles	Carbon steel, hot-dip galvanized	—	—	N/A (foundation)	76×1600 mm catalog examples: SN-GS-F76×1600, SN-AS, SN-DS, SN-FS, SN-WS. Other sizes on request.

Typical values. Final specs confirmed per project in written quotation. Photographs are from our factory.

Designed with reference to applicable regional wind and snow design codes; project-specific verification required. 10-year product warranty, 25-year design service life. Typical lead time: 15–20 days after order and drawing confirmation; samples and standard parts faster.

SN- rails, clamps and accessories

Typical values. Final specs confirmed per project in written quotation. 10-year product warranty, 25-year design service life. Typical lead time: 15–20 days after order and drawing confirmation; samples and standard parts faster.

Rails

SN-R40 Standard aluminum rail	AL6005-T5, 40 × 40 mm class, lengths 2.1 / 3.15 / 4.2 / 4.4 / 5.3 m, wall 1.4–2.0 mm nominal, clear anodized ≥12 µm, indicative span up to 1.2 m, 0.85 kg/m nominal, M8 clamp interface
SN-R60 Heavy-duty aluminum rail	AL6005-T5, 60 × 45 mm class, lengths 3.15 / 4.2 / 5.3 m, wall 1.8–2.5 mm nominal, clear anodized ≥12 µm, indicative span up to 1.8 m, 1.35 kg/m nominal
SN-RMINI Mini rail for metal roofs	AL6005-T5, 80 × 30 mm class, 330 / 400 mm, wall 1.8–2.2 mm nominal, 1.10 kg/m nominal, direct roof fixing (no free-span rating)

Clamps

Material AL6005-T5, SUS304 M8, clear or black anodized ≥12 µm, torque 14–16 N·m for M8 unless noted.

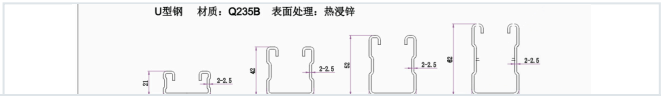
SN-CMID Mid clamp	30–40 mm framed modules, 40 mm clamp length
SN-CEND End clamp	30 / 35 / 40 mm matching height, 40 mm clamp length
SN-CUNI Universal mid / end clamp	adjustable 30–46 mm, 50 mm clamp length
SN-CLAM Frameless laminate clamp with EPDM pads	typically 6–8 mm laminates; module-specific approval required

Other components

SN-AHOOK Adjustable SUS304 tile roof hook	base 140 × 50 mm; 5–6 mm bracket thickness
SN-ALFOOT Aluminum L-foot for metal roofs	AL6005-T5 / EPDM pad / SUS304 bolt, 80 × 40 × 80 mm class
SN-ASPLICE Rail splice kit	AL6005-T5 / SUS304, 200 mm nominal, specify R40 or R60 version
SN-ABOLT T-bolts, nuts and stainless fasteners	SUS304, M8 × 20 / 25 / 30 mm
SN-AGROUND Grounding lug & bonding clip	tin-plated copper lug for 4–16 mm² / SUS304 clip
SN-BP Series Grounding & bonding piercing plates	stainless or galvanised steel (confirm per drawing)
SN-CC Series PV cable clips	spring steel, ten standard designs
SN-WW Series Walkway grating and SN-WC Series walkway clamps	confirm thickness and type per project
SN-FN Series PV plant perimeter mesh fence	PVC dip-coated welded mesh; sizes confirmed per project

Steel U-channel and C-channel — C-channel finish: hot-dip galvanized and Zn-Al-Mg, both available

SN-U41 series	U41×21 / U41×42 / U41×52 / U41×62; width 41.3 mm; wall 2–2.5 mm; Q235B, hot-dip galvanized. Connectors: typical 3 mm plate, Ø14, 63 mm height, same material and finish.
SN-C series	Heights 60 / 70 / 80 / 90 / 100 / 110 / 120 mm; width 40–60 mm; lip 10 mm; wall 1.5–2.5 mm; Q235B/SCS51D.



Modules + mounting, bundled supply

- One RFQ for AIKO ABC modules plus matching SN- mounting, rails, clamps and accessories
- Coordinated bill of materials so module frame height, clamp zones, rail length and roof or ground fixing are reviewed together
- Export packing and a written quotation that confirms models, quantities, typical vs final specifications, lead time and inspection documents for that order
- OEM/ODM labelling or kit packaging can be discussed; tooling, IP, MOQ and approval samples need agreement first

What to include in an RFQ

- Project location and standard
- Roof or ground type
- Module preference (series / power / full-black or silver)
- Quantity
- Target delivery window
- Any packing or document requirements



Application photos for reference; not SolarNova project case studies.

This week’s special offer — reply to get a quote.

Contact

WhatsApp

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Email

Email
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Website / RFQ form

Contact page
https://solarnova-solar.netlify.app/contact/

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X: https://x.com/zhngtng374961

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This week’s special offer — reply to get a quote.

Specifications may change with datasheet revisions. Confirm all values in a written quotation. Application photos for reference; not SolarNova project case studies. © SolarNova.