Office: Level 12, 360 Elizabeth Street, Melbourne VIC 3000, Australia
Tel: (03) 5219 2402 | 1300 245 628
Email: aus.service@aikosolar.com
Website: www.aikosolar.com/au/

AIKO

More Solar • Fuller Battery • Lower Bills • Higher Savings

AIKO N-TYPE ALL BACK CONTACT

No.1
Global N-type BC Shipment

16+
Years of PV Research

160GW+
Cumulative Shipments

20+
Global Branches

10,000+
Global Employees

3
R&D Centres

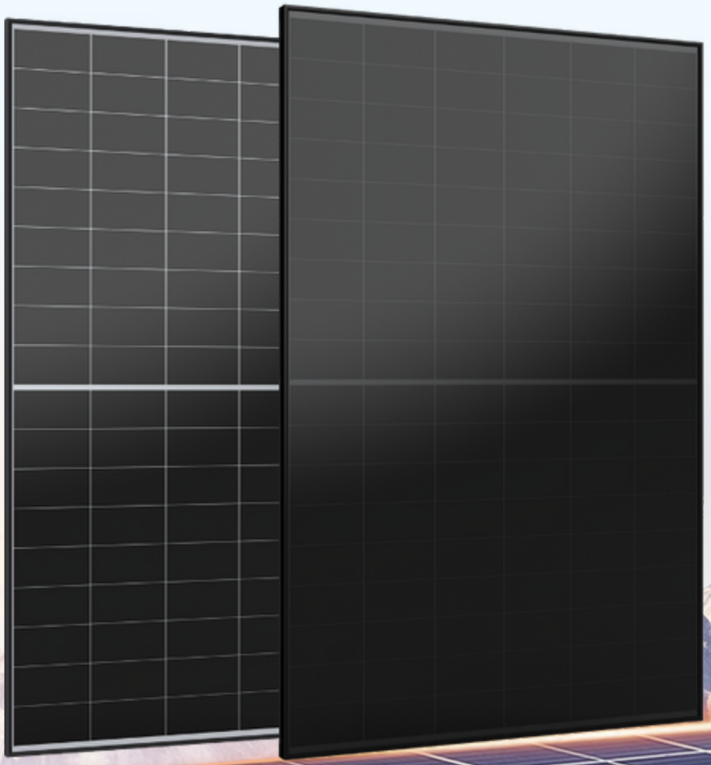
1000+
Patents Granted

Backed by Industry's Best — and Loved by Aussies

reddot winner 2023

- Endorsed by **Scientia Professor Martin Green** – "Father of PV"
- Voted **Best Solar Panel in Australia** - SolarQuotes Installers' Choice Award 2025
- Powering the home of **Jon Dee** (Planet Ark Founder)
- Installed on **Roshan Ramnarain**'s roof (Energy Matters CEO)
- Rated **4.9 stars** by Australian homeowners on SolarQuotes

AIKO's ABC Advanced Key Features



World's Highest Module Efficiency 25%+

World's First To Receive **Class A For Partial Shading** from TÜV Rheinland

Hail Tested With 40mm Stones (Swiss Hail VKF HW4)

Reduce Hot Spots & Fire Risks With 33% Lower Cell Temperature

Certified For Australia's Toughest Conditions: Salt, Mist, Ammonia, Sand, Dust, Cyclone (Darwin)

25 years Product Warranty

30 years Performance Warranty

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Why AIKO Is The Best Panel To Pair With Batteries?

- **Australia's Highest Energy Output** Under 2m²
- **High-Temperature & Shade Resilience** Gains 5-7% System Output
- **High DC/AC Ratio** Charges Battery Up To 12% Faster
- **Higher Savings & Faster Payback** For Homeowners & Businesses
- **Ultra-Low Degradation** For Longterm Performance

FEATURES	TOPCon	AIKO ABC	ADVANTAGES
Panel Output	440W	475W	**+8%** more watts per m²
Module Efficiency	~22.5%	~23.8%	**+1.2%** more efficiency
Energy Yield	Standard	+6–10%	**+1.8–3.0** kWh/day
Shading Optimisation	N/A	+30%	**+4-5%** more output under shade
Temperature Coefficient	-0.29%/°C	-0.26%/°C	**+1–2%** more output on hot days
2Y - 30Y Degradation	⩽0.40%/yr	⩽0.35%/yr	**+1.5%** more energy after 30 years

Real Numbers, Real Savings

AIKO's advantages over TOPCOn on the same 6.6kW solar & 10 kWh battery system:

- ⚡ **+1,252 kWh/year** of extra energy generated
- 💸 **+A$300/year** in extra savings
- ⏱️ **+12 months faster** payback
- 📈 **+A$6,010 more profit** over system lifetime

METRICS	TOPCon	AIKO ABC	YOUR GAIN
Annual Energy Output	9,406 kWh	10,658 kWh	**+1,252 kWh extra** per year
Annual Saving	A$1,777	A$2,077	**+A$300 extra** per year
Payback Time	8.2 years	7.2 years	**~12 months** faster
Lifetime Net Profit (30Y)	A$35,480	A$41,490	**+A$6,010 extra**

Note: Calculations for Zone 3 roofs on 15-panel systems, 85 % DC-to-battery efficiency, +32 °C cell rise, and a conservative +4 % shade boost from TÜV-Nord testing; temp-coeffs -0.26 %/°C (AIKO) vs -0.30 %/°C (TOPCon). Zone 3 irradiance = 3.9 kWh / kW / day; 10 kWh usable battery; tariff 30 ¢, FiT 5 ¢.