

N54-QL6

Up to 545W

Perfect for Commercial & Industrial

Up to 545W is just the start. The N54 keeps producing in the heat, in low light and for 30 years, so your roof pays you back faster and for longer.

Most panels look alike on paper. Wattage tells you what a panel makes on a perfect day in a lab. Your business runs on real days: 40-degree afternoons, grey mornings and decades of Australian UV. The Tiger Neo 3.0 N54 uses our latest N-type TOPCon technology to turn more of those real days into real savings.



545W

Power per panel

Fewer panels, fewer
clamps, faster installs

24.27%

Efficiency

About 243 W from every
square metre of panel

-0.26%/°C

Heat performance

Loses less power
on hot roofs

30 years

Power warranty

At least 88.85% output
guaranteed in year 30

Why choose Jinko Solar?

- 20 years global
- 15 years in Australia
- Australian-based technical and after-sales team
- 15-year product warranty
- 30-year linear power warranty

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Turn over: what the numbers mean for your project



Wattage gets you in the door. Here's what pays you back.

Six reasons the N54 earns its place on your next commercial roof.



-0.26%/°C

Every panel loses power as it heats up. On a summer roof, panels often hit 65°C. At that temperature the N54 gives up about 10% of its rated power, where older P-type panels give up about 14%. That gap shows up on your bill every summer afternoon, right when your air-con works hardest.



Low-light ready

Your business doesn't stop when clouds roll in. The N54's enhanced cell structure keeps generating in early mornings, late afternoons and overcast weather, so you buy less power from the grid across the whole day, not just at noon.



243W/m²

At 24.27% efficiency, the N54 packs about 243W into every square metre of panel. A 100 kW system needs about 184 panels. Fewer panels means fewer rails, clamps and cables, and fewer hours on the roof.



88.85%

Panels slowly lose output with age. We guarantee the N54 loses no more than 1% in year one and 0.35% a year after that. A 545 W panel still guarantees at least 484 W in year 30. That's decades of predictable returns for your investment model.



5400Pa

Two layers of 2.0 mm glass protect the cells front and back. Jinko certifies the N54 to 5400Pa front and 2400 Pa rear static test loads, and tests it against salt mist for coastal sites, ammonia for farm and livestock sheds, and PID, LID and UV degradation. The IP68 junction box keeps dust and water out.



Genuine Staubli MC4 connectors & ±1400 cable size

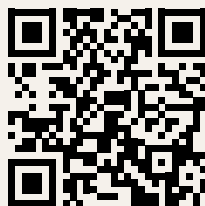
A 1500VDC system rating lets designers run longer strings with fewer combiner boxes and less cabling. Each 40-foot container carries 864 panels, about 470kW at 545W, which simplifies logistics on large builds.

Planning your next project? Contact our Australian team:

View the datasheet



Contact



Spec	54QL6-DV
Power range	525 / 530 / 535 / 540 / 545W
Efficiency	23.38% to 24.27%
Cell	N-type mono TOPCon, 216 cells (54 × 4)
Dimensions	1980 × 1134 × 30 mm
Weight	27.5 kg
Glass	2.0 mm front (anti-reflective) + 2.0 mm heat-strengthened back
Frame	Anodised aluminium alloy
Temp. coefficient (Pmax)	-0.26%/°C
Max system voltage	1500VDC (IEC)
Static test load	5400Pa front / 2400Pa rear
Operating temperature	-40°C to +70°C
Warranty	15- year product, 30-year linear power

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