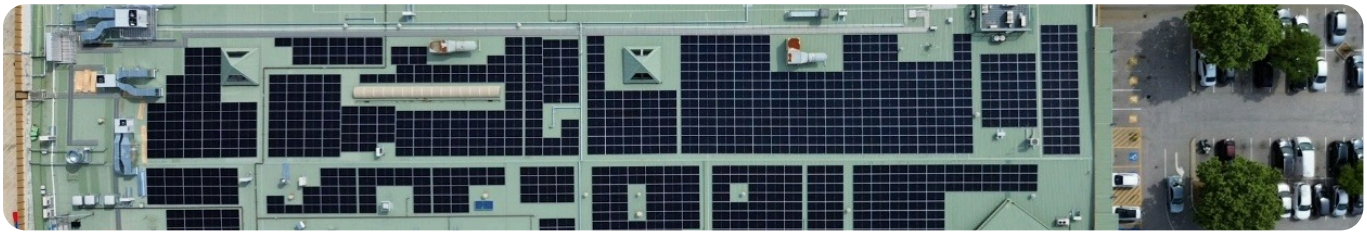
• IN PROGRESS | BUSINESS · SHOPPING CENTRE | KARDINYA, PERTH WA

IN PROGRESS · COMMERCIAL SOLAR & BATTERY

Kardinya Park Shopping Centre: solar and battery storage, in progress

About 1.18 MW of rooftop solar and a 1.78 MWh battery, being installed behind the meter, designed to reduce day-to-day energy costs and manage the centre's peak demand.



LOCATION
Kardinya Park Shopping Centre, Kardinya, Perth WA

CUSTOMER
A large shopping centre with retail tenants and a medical centre, on a high-voltage connection with an embedded network

SYSTEM
About 1.18 MW of rooftop solar (1,979 Risen 595 W bifacial panels: about 1,017 kW on the main roof and about 161 kW on the Medical Centre), 910 kW of inverter capacity and a 1.78 MWh battery, installed behind the meter

EQUIPMENT
Risen 595 W bifacial panels, 6 × Deye 125 kW power conversion systems and 7 × Deye BOS-B Pro 256 kWh battery racks in a purpose-built battery room

STATUS
IN PROGRESS. Solar PV and the Medical Centre section are complete; main roof inverters, battery and switchboards still to come. Started August 2026.

THE CHALLENGE

A growing centre with a peak-demand problem

Shopping centres use a lot of power during the day, and Kardinya Park is growing. The centre has expanded and its electricity use is going up. On a high-voltage site, much of the bill comes from how much power you use at your busiest times (peak demand), not just how much you use in total.

The owners set three clear goals: cut the centre's day-to-day energy costs, manage peak demand so the centre isn't paying for spikes, and get the most out of the available large-scale generation certificates (LGCs) **[TBC: confirm with the project]**.

WHAT IT'S DESIGNED TO DO

Once running, solar powers the centre during the day and cuts the power it buys from the grid, while the battery stores energy and releases it to trim the centre's peak demand.

WHAT WE DID

What we're installing

As the EPC contractor, our team is managing the project from design and approvals through to installation and commissioning.

- **Rooftop solar (complete):** About 1.18 MW of solar panels across the main centre roofs and the Medical Centre, many walked out and mounted by hand by our crew.
- **Main roof inverters (to come):** Inverters for the main roof array, about 1,017 kW of solar (1,709 panels).
- **Switchboards and metering (to come):** A new distribution board in the battery room, AC connections back to the main switchboard, and summation metering so the system can see the whole site's load.
- **Medical Centre (complete):** About 161 kW of rooftop solar (270 panels) on the Medical Centre, with its own inverters. This section is complete.
- **Battery room (to come):** A 1.78 MWh Deye battery system (seven 256 kWh racks) in a room fitted out for battery storage, run by six 125 kW Deye power conversion systems.
- **Approvals:** Structural engineering, fire engineering and network approval were obtained before work started.

PROGRESS

Progress so far

BEFORE WORK STARTED
Approvals in place
Structural engineering, fire engineering and network approval completed before work started.

AUGUST 2026
Medical Centre
Solar on the Medical Centre roof. This section is complete.

AUG–OCT 2026
Rooftop solar PV
Panels installed and strings wired across the main centre roofs. Complete.

NEXT
Main roof inverters
Inverters for the main roof array [TBC: dates].

NEXT
Battery & switchboards
1.78 MWh battery, power conversion systems, distribution board, switchboard connections and summation metering [TBC: dates].

[TBC]
Expected commissioning
Commissioning and handover [TBC: commissioning date].

We send the owner a weekly progress report with photos. This page is updated as the project moves.

KARDINYA PARK SHOPPING CENTRE

Project package

• STAGE 1 COMPLETE / TO COME

EQUIPMENT PACKAGE

CATEGORY	EQUIPMENT	QTY	TOTAL
Solar panels: main roof (to come: inverters)	Risen 595 W bifacial	1,709	1,016.9 kW
Solar panels: Medical Centre (complete)	Risen 595 W bifacial	270	160.7 kW
Inverters: Medical Centre (complete)	Deye 80 kW inverters	2	160 kW
Inverters / battery PCS: main roof (to come)	Deye 125 kW power conversion systems	6	750 kW
Total inverter capacity	Main roof 750 kW + Medical Centre 160 kW	8	910 kW
Battery (to come)	Deye BOS-B Pro 256 kWh racks	7	1.78 MWh
Metering (to come)	Summation metering	–	Whole-site load visibility
Mounting	S-5! mounting system, rooftop; many panels walked out and mounted by hand	–	–
Monitoring	Bespoke client dashboard with purpose-built weekly reporting, plus monthly, quarterly and annual summary reports covering YTD performance and lifetime figures	–	–

ELECTRICAL SCOPE

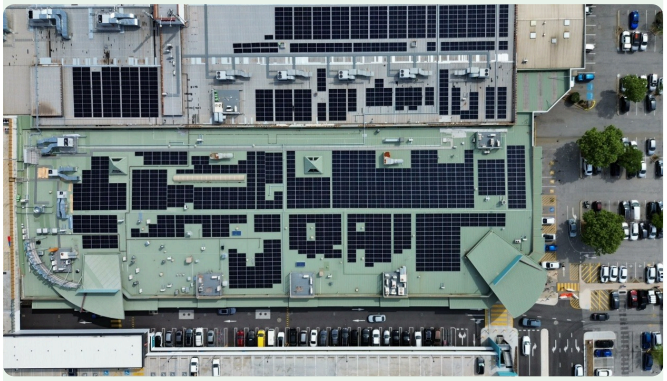
- Structural engineering, fire engineering and network approval before work started (complete)
- PV strings wired across the main roofs, e.g. 41 strings of 14 panels in one section, with cable trays for the main DC run (complete)
- Medical Centre solar and inverters (complete)
- Main roof inverters (to come)
- Battery room fit-out with a new distribution board (to come)
- AC connections back to the main switchboard (to come)
- Summation metering across the high-voltage embedded network (to come)
- Client dashboard and reporting set-up: weekly reports plus monthly, quarterly and annual summaries (to come)
- Commissioning, testing and handover **[TBC: commissioning date]**

Equipment as installed or specified for this project. No pricing shown.

KARDINYA PARK SHOPPING CENTRE

Project photos

• IN PROGRESS · PV AND MEDICAL CENTRE COMPLETE



Aerial view of the shopping centre roof showing solar panels spread across several roof areas and the car park.



Rows of solar panels on a light-coloured metal roof under blue sky.



Solar panel blocks on the roof beside a cable tray walkway.



Large block of solar panels on a green metal roof under cloud.



Solar panels on the roof with rooftop plant and the neighbouring streetscape behind.

KARDINYA PARK SHOPPING CENTRE

Project photos (continued)

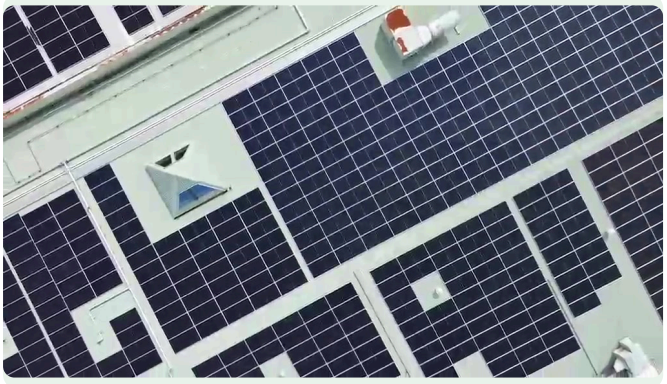
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Solar arrays along a roof ridge next to a cable tray, under blue sky.



Top-down drone view of the solar arrays across the centre roof.



Drone view of the pattern of solar panel rows on the roof.



Block of solar panels on a metal roof beside the ridge capping and walkway.

nationalrenewable.com.au/projects/kardinya-park

Thinking about solar and batteries for a large site?

If your business runs on a high-voltage connection or pays big demand charges, solar and batteries can do more than cut your energy bill.

08 6102 3441 · info@nationalrenewable.com.au
2/10 Southport St, West Leederville WA 6007 · Mon–Thu 9am–5pm · Fri–Sun 9am–1pm

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