

Queensland, Australia



Project Size: 380MW

Total Modules Installed: 820,000

Frame System: NexTracker

Overview

Gripple supported the successful delivery of a 380MW utility-scale solar PV project located in Queensland, Australia.

As part of a complex and fast-moving installation programme, Gripple's Cable Mini Hangers were deployed across the site to provide a cost-effective, safe, and efficient cable management solution.

The Challenge

The site used a mini trunk bus system on a specific tracker variation which meant the use of traditional cable routing was not a viable option as it created significant pinch points and abrasion risks. These challenges were discovered late in the programme, risking delays, added cost, and damage to key infrastructure if not resolved quickly.

Full commissioning expected November 2025 – 14 months ahead of schedule.



Cable Mini Hanger



Email: **sales@gripple.com** for any enquiries


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Change the game

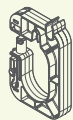
The Solution

At this critical stage in the project, Gripple was brought on board to resolve the issues and worked closely with both the OEM, NexTracker, and the contractor to develop a bespoke mounting system that effectively addressed the problems.

Following a comprehensive quantity take-off and taking into consideration the 820,000 solar modules requiring support, Gripple supplied 1.1 million metres of messenger wire and 980,000 Cable Mini Hangers. Collaborating closely with NexTracker, Gripple identified these hangers as the optimal solution to accommodate the site-specific design loads on structure, ensuring secure pile support while eliminating any risk of overload.

In addition, 123,000 custom L-Brackets were precisely engineered with specific hole sizing and spacing to integrate with the pre-punched NexTracker pile structure using existing rivet fixings. This adaptation allowed for rapid, low-labour installation that dramatically reduced complexity on-site.

Multiple site visits from Gripple engineers and hands-on troubleshooting with contractors ensured a smooth installation and timely delivery.



980,000
Cable Mini Hangers
deployed



1.1 million
metres of messenger
wire installed



Installation complete
in **10 months** (vs. 24
months planned)



500 workers
on site at peak



820,000
solar modules
installed



123,000
bespoke L-Brackets
fixed to NexTracker piles

Outcome

Thanks to the bespoke L-Brackets and the simplicity of installing the Cable Mini Hangers, the completed installation in just 10 months – a full 14 months ahead of the original schedule.

The electrical contractor often completed half-day work shifts to avoid overtaking the mechanical teams, highlighting the rapid speed of the solution. The simplicity of the system was such that backpacker labour was successfully used at times during installation, showcasing its ease of use and minimal training requirements.

Despite a significant budget uplift for cable management (due to underestimated complexity at the early design stage prior to Gripple's involvement), the project came in under total budget thanks to accelerated timelines and efficient labour deployment.

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