CranePower Case Study

Madeline Apartments
Gold Coast, Australia

A single E-Gen600 pushing out 100,000kWh

Situation

An ultra-luxury Gold Coast residential tower constructed on a tight deadline and with high power demands that the 63A three-phase mains supply cannot fulfil. The E-Gen600 can.

Diesel saved

71,106L
$200,520 AUD

5,112 operational hours

100,160kWh
100% uptime

From 63A mains supply

≤70A base
314A peaks





Mosaic Property Group's largest current build — the 41 storey, 60 half and full-floor residence Madeline tower on Queensland's Gold Coast — required power loads that the 63A mains supply could not deliver.

With 80% of the project already sold, not meeting the required power need would push out the completion deadline and cost the company. That made both output capability and uptime reliability critical factors for Mosaic when choosing a power solution.

They chose to connect the entire site to a single E-Gen600. Situated at the base of the Yongmao STL420A-24t luffing crane, it's also powering two YHX SC200 high-speed hoists, a Callaghan KB-M33Z5 satellite concrete pump, and the site power.

The unit has output over 100,160kWh to date and maintained continuity across regular base loads up to 70A (49kVA) and peaks up to 314A (218kVA). Over 5,112 hours of operational time the E-Gen600 has delivered 100% uptime, and the project is on-track for the targeted late-2028 completion date.

Project	Madeline
Construction company	Mosaic Property Group
Location	Gold Coast, Queensland, Australia
Project start	January 2026
Site loads	Yongmao STL420A-24t luffing crane 2x YHX SC200 high-speed hoist Callaghan KB-M33Z5 satellite concrete pump Site power
Input feed	63A three-phase mains supply
Power requirement	600kVA
Battery system	E-Gen600 supplied by VTS Tower Cranes & Hoists

For more information contact us at—
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By the numbers

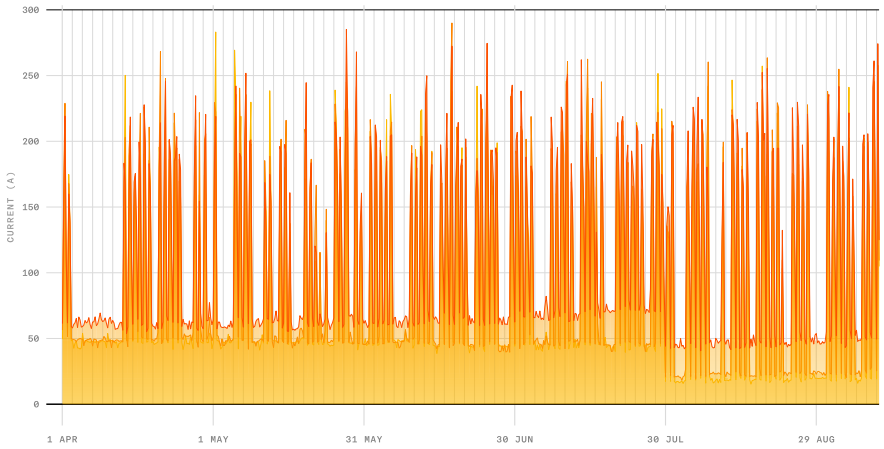
Summary

Powered by a 63A mains supply, the single E-Gen600 on site sustained base loads up to 70A and significantly higher peaks, across the 100,160kWh output.

Output current

5x

Higher than a 63A mains supply.
Delivered by a E-Gen600.



Uptime

5,112 hours up
0 hours down

100% uptime with consistently high SoC.

