CranePower Case Study

AGORA Apartments
Melbourne, Australia

E-Gen600 replaces over 1,000kVA worth of diesel generators

Situation

A 10-storey residential accommodation project on a metaphorical island with no mains power, where an E-Gen600 and diesel genset is doing the work of five diesel generators.

Uptime

2,600+ hours up
0 hours down

Diesel saved

97,427L
$243,568 AUD

Total output

43,063kWh
262kVA + 463A peaks





Located 50 metres from Melbourne's second biggest shopping centre, a 10-storey residential accommodation project encompassing over 400 one, two, and three-bedroom apartments is underway by Hamilton Marino.

Despite being so close to the shopping centre, the site has no access to mains power. The Site Manager described it as "We may as well have been on an island".

He calculated the total equivalent kVA needed to power this site with diesel generators would have been a combined 1010kVA, at an estimated 115,427L ($288,568 AUD) of diesel. Instead, the single E-Gen600 paired with a 150kVA diesel genset has saved an estimated 97,427L ($243,568 AUD) of diesel and prevented 265t of CO_2 emissions.

The E-Gen600 is powering all equipment on-site: JL516B-24t and JL316-16t luffing cranes, twin 160A hoists, and three 70A power circuits dedicated to lighting, site power and amenities.

The unit has recorded 43,063kWh across 111 days and seen peaks of 262kVA, all while maintaining an average SoC of 84.6%.

Project	AGORA Apartments
Construction company	Hamilton Marino
Location	Melbourne, Victoria, Australia
Project start	July 2026
Site loads	MCG JL516B-24t MCG JL316-16t YHX 65/32-SC240 twin hoist 3x 70A power circuits
Input feed	85kW, 125A from a 150kVA diesel genset
Power requirement	1010kVA of diesel generators
Battery system	E-Gen600 owned by Hamilton Marino

For more information contact us at—
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By the numbers

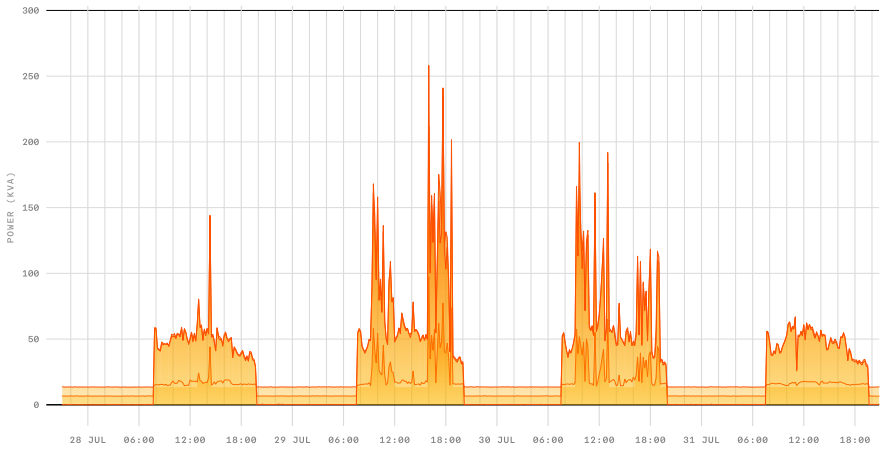
Summary

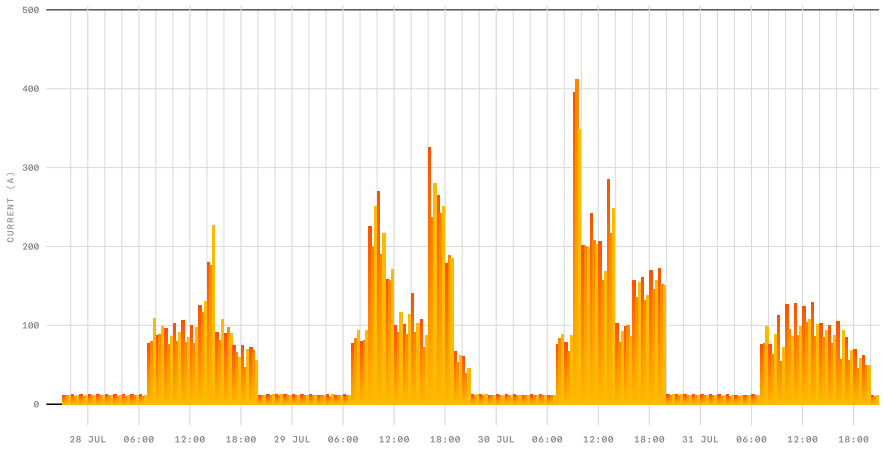
Powered by a 150kVA diesel genset, the E-Gen600 has replaced 1010kVA worth of diesel generators and output over 43,000kWh in just two months.

Peak power/current

262kVA
463A

Peak outputs delivered by the E-Gen600 were up to 3.7x higher than the 125A input.





Diesel savings

97,427L
$243,568 AUD

Saved 84% of the estimated diesel usage and cost of equivalent diesel generators.

Diesel eqv: 115,427L/$288,568AUD

