For more information contact us at—
info@cranepower.com

No Three-Phase, No Problem.

Situation

With an 8-storey apartment complex held up because of noise restrictions and no access to three-phase power, Kalmar Construction were under pressure to find a power solution for their tower crane and site power.

Available on-site power source

Single Phase

Load requirements

265kVa Crane + Site Power

Peak Output

300kVA from a 32A Single Phase



The Liebherr 542HC-L Luffing crane, on rent from SMITH Cranes, needed a maximum of 265kVA of peak-power available for the crane, but because the site only had single-phase power available, they believed the E-Gen300 battery system wasn't going to provide a solution.

After contacting us, SMITH Cranes purchased the E-Gen300, which has both single-phase and three-phase input charging, and 300kVA of peak-power, making it the perfect solution for this job.

Project	Chelsea Rise
Construction company	Kalmar Construction
Location	Auckland, New Zealand
Project start	March 2025
Site loads	Liebherr 542HC-L Luffing Crane
Input feed	32A, 230V single-phase mains supply
Power requirement	265kVA crane + site power
Battery system	E-Gen300 supplied by SMITH Cranes