

Product Specification Document

E-Gen Series

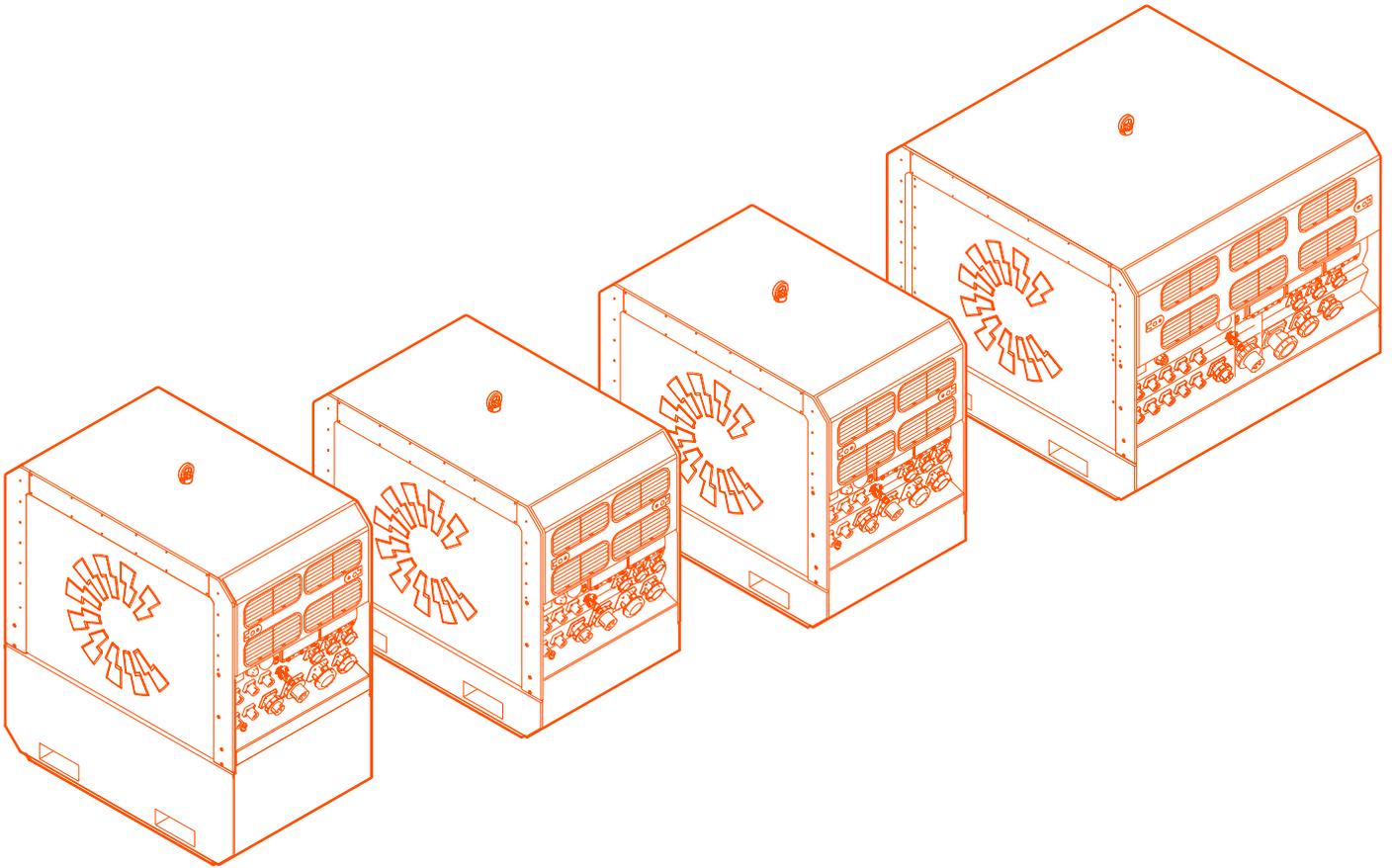
75kVA / 150kVA / 300kVA / 600kVA



The E-Gen Series is the world's most power-dense mobile battery unit. By redeveloping BESS architecture on a system-level, we've packed massive industrial output into an ultra-compact footprint that enables rapid, forklift-ready deployment.

Mobile Battery Units

75kVA / 150kVA / 300kVA / 600kVA



15

Designed for a 15-Year lifecycle.

99.99%

Uptime of our machines gathered from 300,000 hours of field-proven operations.

10%

The footprint compared to an equivalent containerised BESS.



Unit Overview



The Mobile Charging Solution

E-Gen75 Ideal for non-peak critical loads (site offices, lighting, mobile machinery charging). Its 1.5-tonne, towable footprint enables rapid deployment to hard-to-reach sites and locations.

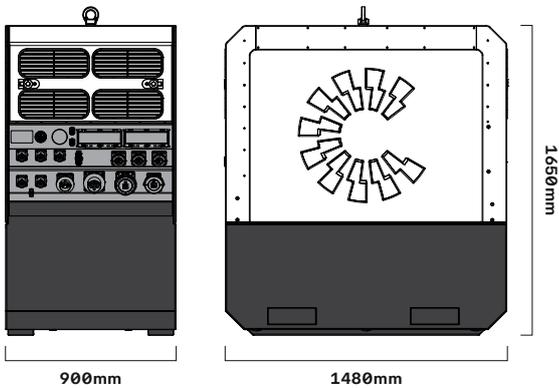
Small to Medium Scale Construction

E-Gen150 Designed to power the general needs of small-to-medium construction and industrial sites. Unique capability to power high-draw equipment from a single-phase mains input, eliminating transformer costs.

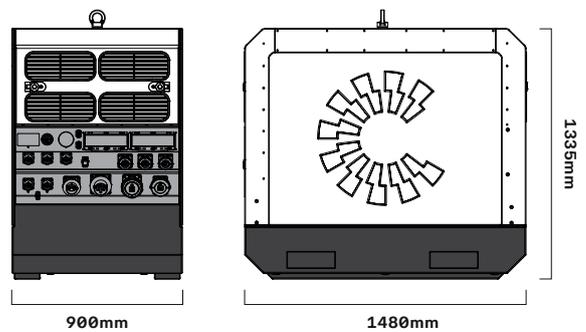
Compatible Project Scale	Small Scale Construction Temporary Site Power
Power Support Capability	Low-power temporary setups Mobile machinery charging Self-erecting cranes
Other Use Cases	Small outdoor events Film sites

Compatible Project Scale	General Construction Site
Power Support Capability	Small cranes Hoists
Other Use Cases	Small outdoor events

Unit Dimensions



Unit Dimensions



Battery System Capacity	128kWh
Weight (kg)	1450

Battery System Capacity	85kWh
Weight (kg)	1050



Unit Overview



Large Construction Site

E-Gen300 Specifically engineered to manage the significant surge loads and simultaneous demands of large hoists and single tower cranes on medium-to-large sites.



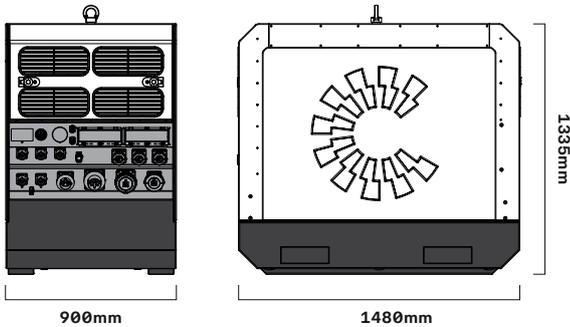
Large Scale Infrastructure

E-Gen600 The highest-power standalone unit, built for large-scale infrastructure, concerts, or sites requiring multiple cranes. Optimally paired with solar or large diesel generators for maximum efficiency.

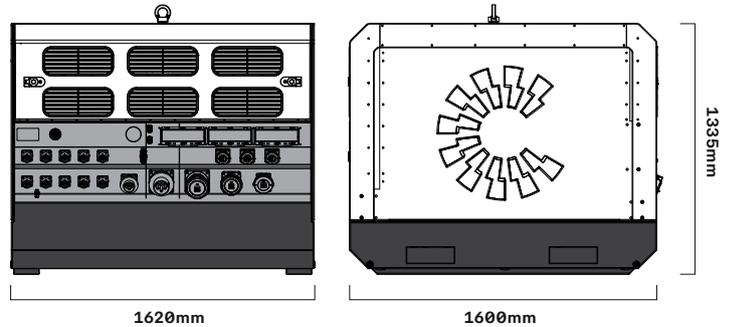
Compatible Project Scale	Medium to large construction sites
Power Support Capability	Multiple tower cranes Large hoists
Other Use Cases	Medium outdoor events Medium scale festivals

Compatible Project Scale	Large construction sites Infrastructure projects
Power Support Capability	Multiple large tower cranes Large hoists
Other Use Cases	Major concerts Large carnivals and events

Unit Dimensions



Unit Dimensions



Battery System Capacity	85kWh
Weight (kg)	1150

Battery System Capacity	171kWh
Weight (kg)	2050



Specification Sheet

		E-Gen75	E-Gen150	E-Gen300	E-Gen600
Output	Peak Power (60s)	75kVA	150kVA	300kVA	600kVA
	Max Regen Power (60s)	75kVA	150kVA	300kVA	600kVA
	Max Current	110A	220A	440A	880A
	Voltage	230V / 400V			
	Frequency	50Hz			
Battery System	Capacity	128kWh	85kWh	85kWh	171kWh
Input (Single-Phase)	Power (adjustable)	1kW – 7kW			
	Current (adjustable)	5A – 32A			
	Voltage Range	90V – 280V			
	Frequency Range	45Hz – 65Hz			
Input (Three-Phase)	Power (adjustable)	5kW – 40kW			5kW – 80kW
	Current (adjustable)	8A – 63A			8A – 125A
	Voltage Range	260V – 530V			
	Frequency Range	45Hz – 65Hz			
Thermal Management	Operating Temp Range	-20°C to 50°C			
	Insulation	Thermal Insulating Foam			
	Unit Cooling	Direct to Air			
	Battery Cooling	Liquid cooled/heated			
Physical Specs	Material	Powder Coated Stainless Steel			
	Dimensions (W×L×H mm)	900×1480×1650	900×1480×1335		1620×1600×1335
	IP Rating	IP55			
	Weight (kg)	1450	1050	1150	2050
	Central Lifting Ring	●	●	●	●
	Fork Pockets	●	●	●	●
Hybrid Compatibility	Recommended Generator	20kVA – 60kVA			60kVA – 150kVA
	PV/Solar (max power)	60kW	80kW	160kW	
	Wind Turbine (max power)	60kW	80kW	160kW	
Output Connectors	480A Powerlocks	●	●	●	●
	750A Powerlocks	●	●	●	●2
	125A 5-pin CEE	○	●	●	●
	63A 5-pin CEE	●	●	●	●
	32A 5-pin CEE	●	●	●	●
	3×16A Single Phase CEE	●	●	●	●
Input Connectors	32A 3-pin CEE	●	●	●	●
	63A 3-pin CEE	●	●	●	○
	125A 3-pin CEE	●	●	●	●
	DC Fast Charge (CCS2)	○	●	●	●
Battery System	Whole Machine	3 Years			
	Battery Pack	5 Years			