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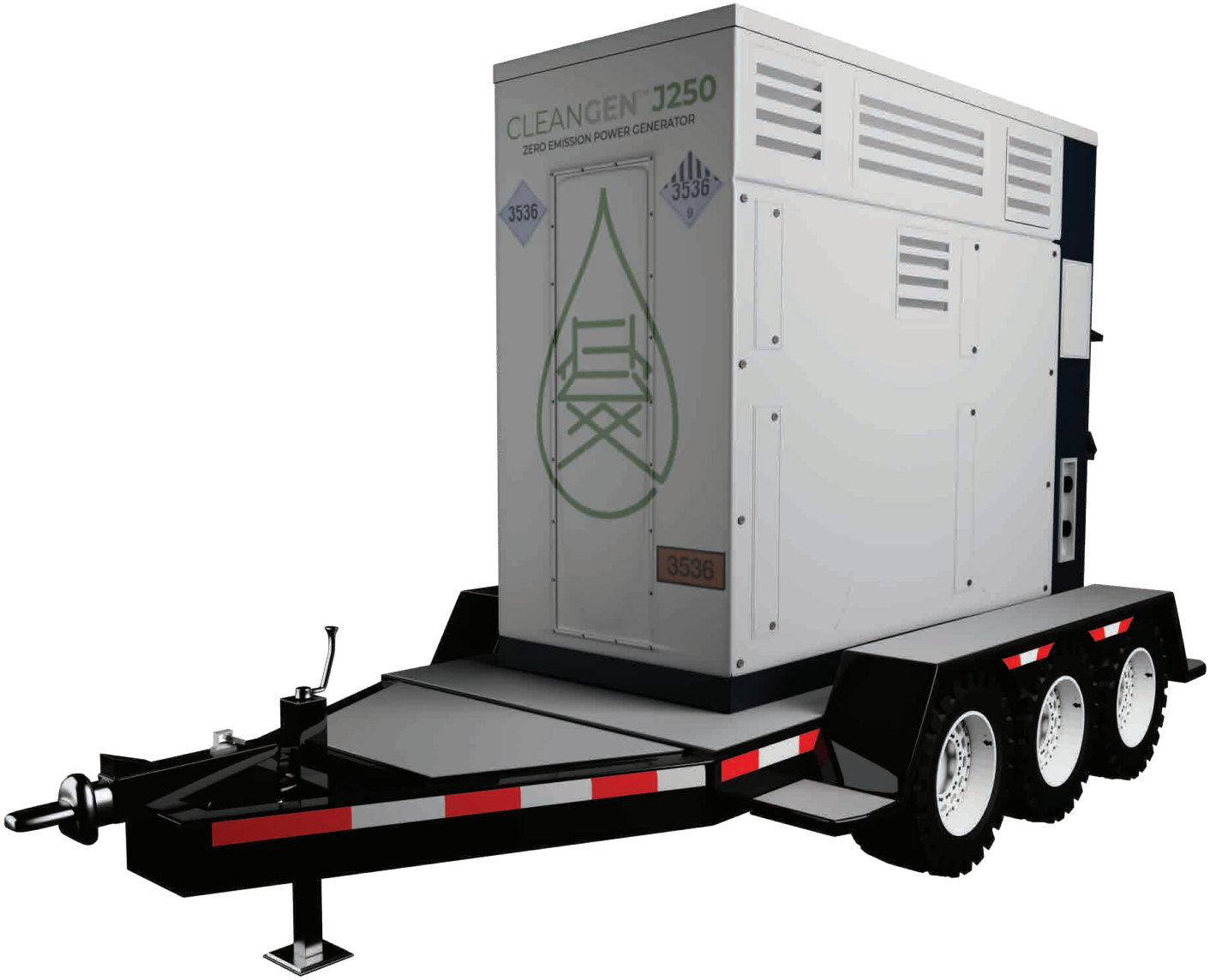
For a cleaner tomorrow

CLEANGEN™ J250

ZERO EMISSION POWER GENERATOR



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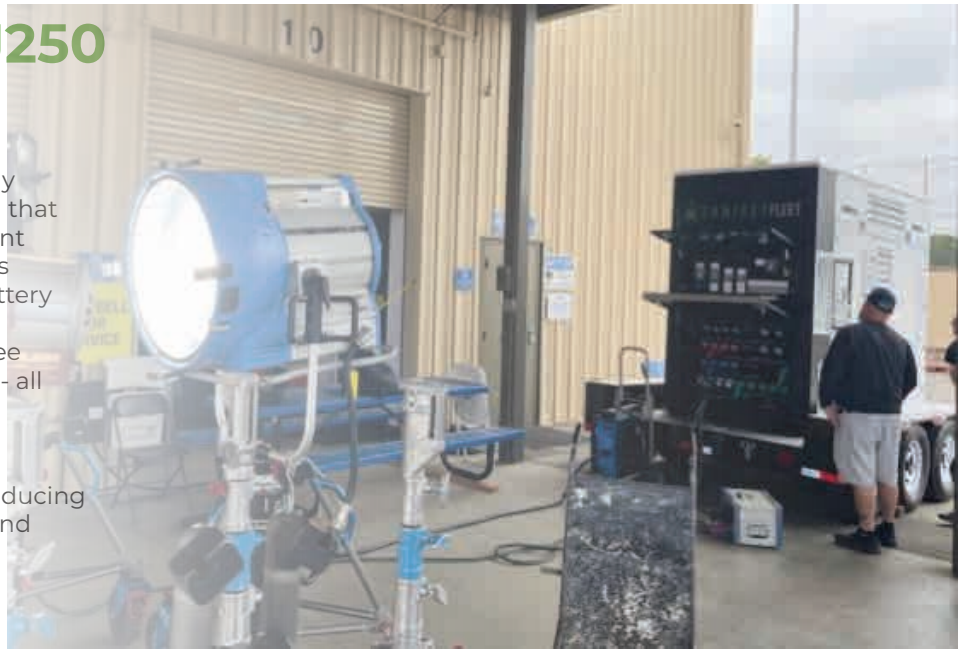
CLEANGEN™ J250

100kVA/250kWh

CleanGen is an environmentally friendly mobile power solution that is designed to power equipment and critical loads - wherever it's needed. Providing 250kWh battery capacity, the system provides clean, uninterrupted power, free of distortions and fluctuations - all without emitting harmful CO_2 into the atmosphere.

Help the environment while reducing fueling, set-up, maintenance and labor costs.



Total Annual Estimated CO_2 Savings

108,907 kg/yr

Environmental

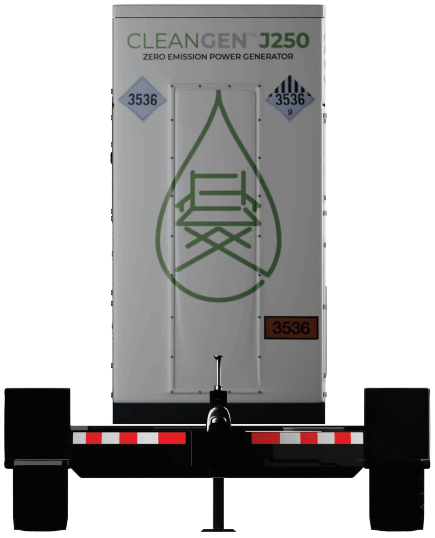
Carbon emissions saved per generator:
- 4,802 lb or 2,178 kg per week
- 240,099 lb or 108,907 kg per year

Diesel fuel saved annually:
- 10,800 gallons (~$5.00USD/gal.): $54,000 USD or;
- 40,882 litres (~2.15CAD/L): $87,896 CAD

Estimate based on 135 kW generator running at 1/2 load, 8 hours per day, 5 days per week, 50 weeks per year.

Return on Investment

Rented at a premium, customers have realized a 100% ROI in 22 months.
The lithium iron phosphate batteries have a lifespan of approximately 5000 cycles under nominal conditions, which means you can discharge ~80% and recharge the batteries every day for over 13 years.



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Benefits & Features

Environmentally friendly. Emits no operational CO

Reduced generator operating costs. No more expensive fossil fuel.

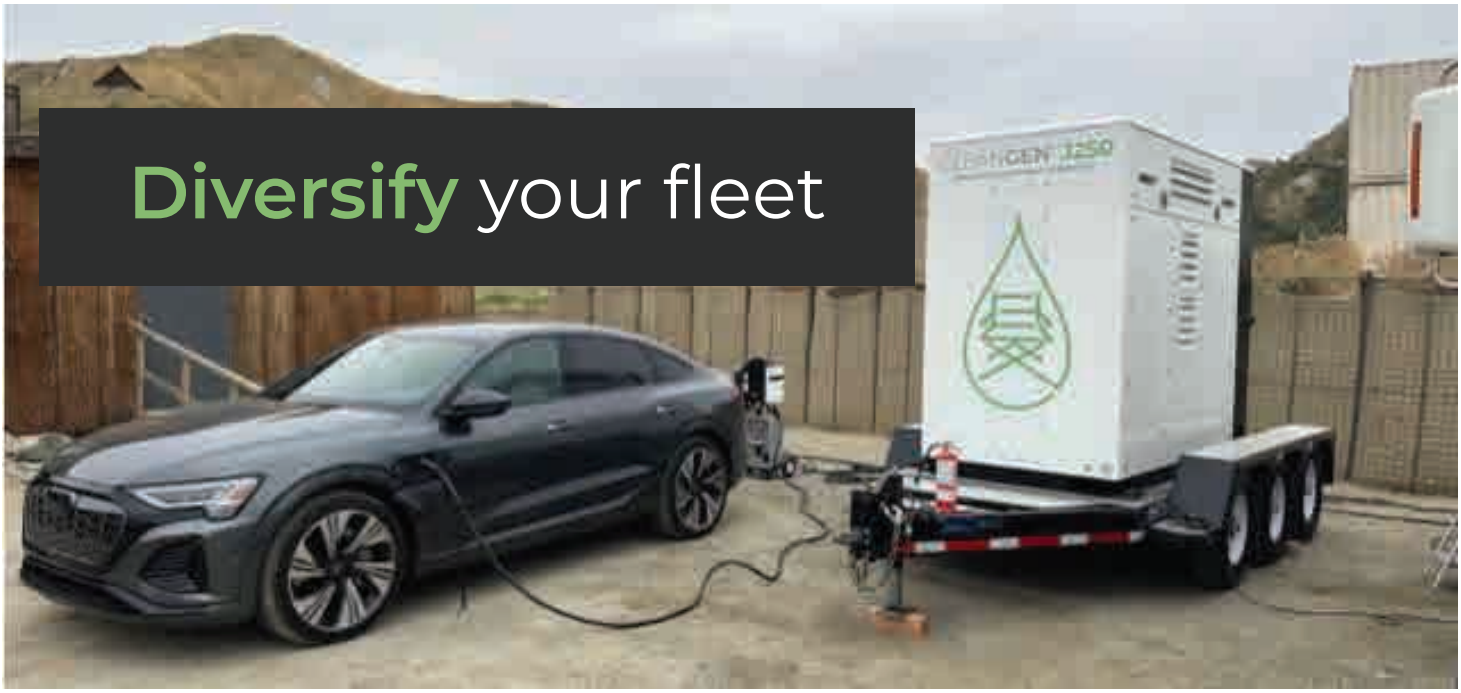
Reduced labour. Because there's no noise and harmful byproducts being given off, CleanGen can be parked close to the required load reducing the need for long cable runs and the costs associated.

Recharge batteries anywhere EVs do. Use CleanGens dual 240VAC EV charging ports to recharge batteries at any EV charging station.

Continuous, uninterrupted power. Drawing on instantaneous battery power, CleanGen provides clean, uninterrupted power helping to mitigate the risk of dropping the load.

Maintenance free. No active maintenance require. Just charge and discharge

Recharge CleanGen - without disconnecting. CleanGen can be daisy chained indefinitely providing power to recharge the main battery, provide power to the load, or both.



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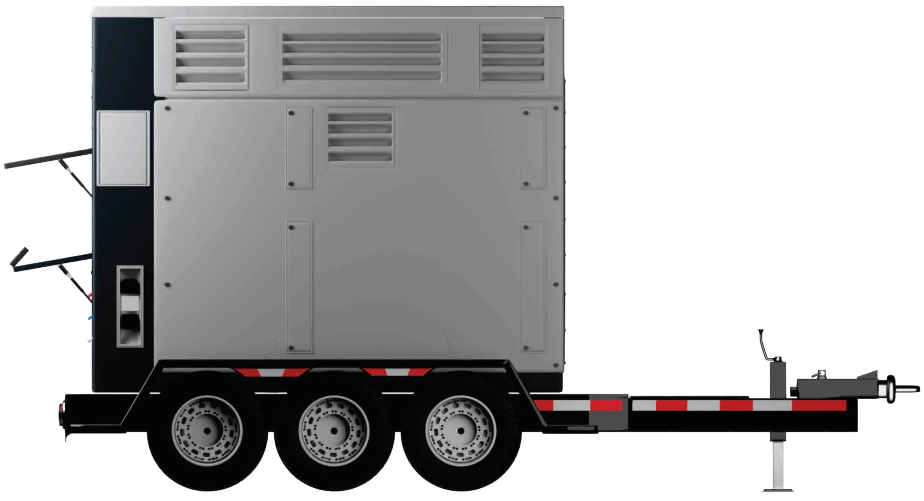
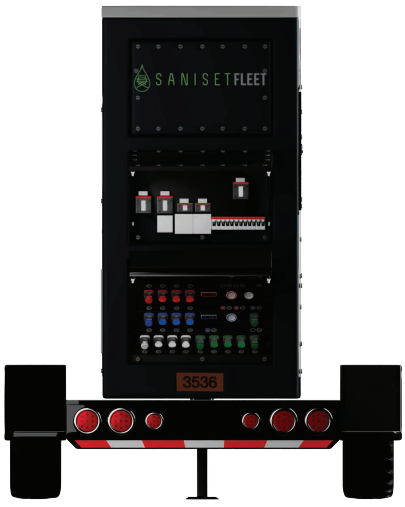
CleanGen vs. Diesel Generator Summary

DIESEL GENERATOR	CLEANGEN
Significant CO, emissions	I No operational CO, emissions
Maintenance every 250-1000 hours	No active maintenance
Long cable runs due to noise/vibration	Short cable runs
Operates best at higher loads (avoid wet stacking)	Can operate at any load with similar efficiency without degradation
Bring fuel to generator	Take CleanGen to recharge station
Variable power quality	Clean power free of distortion
Challenges with high 3 phase imbalanced loads	Supports 100% imbalanced loads
Operationally high cost per kW	Operationally low cost per kW

Can operate at any load with similar efficency without degradation





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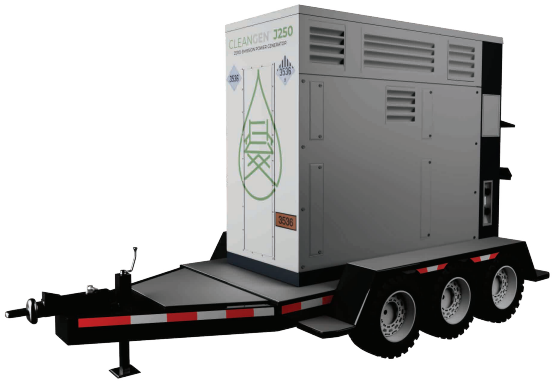
CLEANGEN™ J250

100kVA/250kWh

Industry standard footprint
No maintenance
Quiet, clean, and unobtrusive



Specifications

INPUT

Main 3Ph AC Input Camlock, 400A breaker	EV Charging 2 × 1Ph Input J1772 connector, 40A breaker	Blockheater 1 X 1 Ph Input NEMA 5-15P
208Y/120VAC, 291A, 3Ph, 5 wire, 60Hz	240VAC, 32A, 60Hz	120VAC, 6.4A, 60Hz

OUTPUT

Inverter Output 100kVA, 0.8 PF

1 X 3Ph Out Camlock, 400A breaker	2 X 3Ph Out Camlock, 225A breaker	3 X 1Ph Out Joy connector, 60A breaker	3 X 1Ph Out NEMA 5-20R
208Y/120VAC, 278A, 5 wire	208Y/120VAC, 180A 3Ph, 5 wire	120VAC, 48A	120VAC, 20A, 1.9kV

INVERTER

Output	Continuous output: 100kVA, 0.8 PF
Overload Capbility	144kW for 60 seconds
Instantaneous	~192kW for 200msec

BATTERY

Capacity	250kWh
Type	Lithium Iron Phosphate (LiFePO4)
Battery Monitoring	Individual string: voltage and current; Cell voltage cell balancing, cell temperatures
Battery Cycles	Up to 5000 (depends on temp., depth of discharge, and discharge rate)
Estimated CleanGen Recharge Times (From 0%)	House Power (Connected with Camlocks, 208v 3 phase source): 7 Hours Diesel Generator (38kw at 208v): 7 hours Two Level Two Chargers: 22 Hours

ENVIRONMENTAL

Acoustic Noise Level at 1 Meter	55.0 dB
Relative Humidity	0 to 95%, non-condensing
Operating Temp	0 to 40 °C

MEASUREMENTS

With Trailer	L 188 in H 112 in W 90 1/2 in
Without Trailer	L 102 1/4 in H 88 13/16 in W 52 in