



ZERO-EMISSION GENSET

*Electric transport refrigeration system
for drayage*



ANY CONTAINER CAN BE A CLEAN CONTAINER

» Zero-Emission Containers

»» Plug and Play System

»»» Leases under \$x/day



ZERO-EMISSION GENSET

Performance Specifications



Specifications

Weight	850 lbs
Dimension	76.43" (W) 12.65" (D) 36.00" (H)
Charging	-
-240V	10 hours
-3 phase 480V, slow	5 hours
-3 phase 480V, rapid	1.5 hours
-DCFC fast charge	0.5 hours
Output Standard	460V/3ph/60Hz
Output Option	230V/3ph/60Hz
Output APU/AUX	12V / 48V
Cont. Output Avail.	50kW
Peak Output (30s)	100kW
Self-Discharge Rate	<3%/month
Cycle Life	6000 cycles
EOL Capacity	>= 70% nominal capacity
Storage Temp.	-20 °C to 45 °C
IP Rating (Enclosure)	IP66, NEMA 1,2,4,4X, 12
Cert. (Enclosure)	CE / ROHS Approved
Feature (Enclosure)	Lockable, Waterproof, Fire-resistant

Safety Performance and Testing

Over Discharge...	No Fire, No Explosion
Over-Charging...	No Fire, No Explosion
Short Circuit...	No Fire, No Explosion
Drop...	No Fire, No Explosion
Heating...	No Fire, No Explosion
Extrusion...	No Fire, No Explosion
Low Pressure...	No Fire, No Explosion
Thermal Runaway...	No Fire, No Explosion

Runtimes

Use Case	Ambient Temp	Set Temp	Standard Mode	Truck Support Enabled
20' Refrig. Container PP-50	100 °F	60 °F	2 days 2.0 hrs	inf
	100 °F	33 °F	16.7 hrs	inf
	100 °F	0 °F	1 day 1.0 hrs	inf
20' Refrig. Container PP-100	100 °F	60 °F	4 days 4.0 hrs	inf
	100 °F	33 °F	1 day 9.3 hrs	inf
	100 °F	0 °F	2 days 2.0 hrs	inf
40' Refrig. Container PP-50	100 °F	60 °F	16.7 hrs	inf
	100 °F	33 °F	10.0 hrs	1 day 1.1 hrs
	100 °F	0 °F	12.5 hrs	2 days 2.5 hrs
40' Refrig. Container PP-100	100 °F	60 °F	1 day 9.3 hrs	inf
	100 °F	33 °F	20.0 hrs	2 days 2.3 hrs
	100 °F	0 °F	1 day 1.0 hrs	4 days 5.0 hrs

*Performance data is dependent on operational settings, environmental conditions, and market rates.
 **inf is short for infinity and means that the input power from the auxiliary sources will allow the system to run without ever needing a charge. However, it is possible that charging the unit when possible will reduce operating costs.

Why adopt the Tandem GenSet for your fleet?

- Plug and Play System
- Significant Weight Reduction VS Diesel GenSet
- 80% Lower OpEx