



BOX TRUCK

*Electric Auxiliary Power System
For Box Trucks*



UNLOCK ZERO-EMISSION REFRIGERATION

*Keep your uptimes and truck range
while delivering goods sustainably*

- *Electric-Powered Cargo Refrigeration*
- *Diesel Mode Backup*
- *Low Cost*



BOX TRUCK

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	Solar Enabled	Truck Support Enabled + Solar
16' Box. Truck	100 °F	60 °F	2 days 2.0 hrs	inf	inf	inf
PP-50	100 °F	33 °F	16.7 hrs	2 days 2.5 hrs	2 days 2.5 hrs	inf
	100 °F	0 °F	1 day 1.0 hrs	inf	inf	inf
16' Box. Truck	100 °F	60 °F	4 days 4.0 hrs	inf	inf	inf
PP-100	100 °F	33 °F	1 day 9.3 hrs	4 days 5.0 hrs	4 days 5.0 hrs	inf
	100 °F	0 °F	2 days 2.0 hrs	inf	inf	inf
26' Box. Truck	100 °F	60 °F	1 day 1.0 hrs	inf	inf	inf
PP-50	100 °F	33 °F	12.5 hrs	1 day 1.1 hrs	1 day 1.1 hrs	inf
	100 °F	0 °F	16.7 hrs	2 days 2.5 hrs	2 days 2.5 hrs	inf
26' Box. Truck	100 °F	60 °F	2 days 2.0 hrs	inf	inf	inf
PP-100	100 °F	33 °F	1 day 1.0 hrs	2 days 2.3 hrs	2 days 2.3 hrs	inf
	100 °F	0 °F	1 day 9.3 hrs	4 days 5.0 hrs	4 days 5.0 hrs	inf

*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

Why adopt the Tandem Box Truck for your fleet?

➤ Immediate OpEx Reduction

➤➤ Zero-Emission Refrigerated Supply Chain

➤➤➤ Diesel Mode At Any Time