



PLUTO

All-Electric Urban Delivery Reefer Unit

No-Idle Solutions for Lower Costs, Higher
Performance, and a Greener Footprint



VOLTAIR

Join the Electric Revolution

Introducing Pluto, the all-electric, no-idle reefer units designed and built in North America by Volta Air Technology Inc. to transform your refrigerated transport operations.



Fits Your Fleet

Compatible with both electric (EV), gas or diesel (ICE) vans and small trucks.



Cut Costs

Reduce maintenance, downtime and fuel consumption. Leverage potential government rebates.



Boost Performance

Reliable and advanced cooling for superior cargo protection.



Go Green

Eliminate emissions and pollution. Comply with CARB regulations.



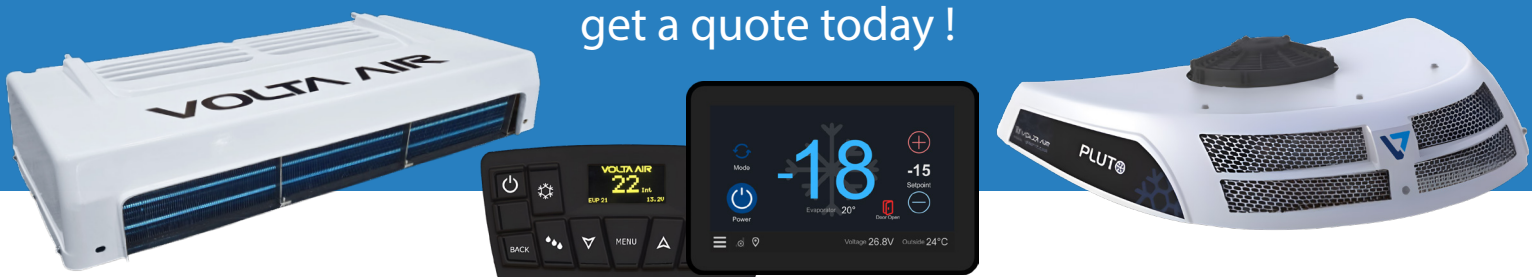
PLUTO

The Smart, Simple and Sustainable Choice

Upgrade your fleet with a 12V/24V electric reefer unit that offers more benefits at a lower cost. Available for conventional and electric vehicles. Here are the key benefits of Pluto:

- **Independent Operation**
No reliance on the engine, saving fuel and maintenance costs.
Operating costs are 30 to 50% lower.
- **No-Idle Cooling**
Maintains the temperatures during deliveries when the vehicle's engine is off.
- **Long Running Time**
Can operate all day, whether the vehicle's engine is on or off.
- **Integrated Stand-by (Optional)**
Optional 110V/240V plug-in for home base charging.
- **Digital Control Panel**
Monitor temperature and settings from the driver's seat.
- **Smart Control Panel (Available)** [Refer to page 6 for more info](#)
Monitor temperature and seamlessly integrates with the Tritracker system.
- **Low Maintenance Design**
Reduced number of moving parts for long-lasting performance.
- **Quick and Easy Installation**
One person can install Pluto in under a day.
- **CARB Compliant**
Meets California's strict emissions standards. Potential of rebates availability.

Experience hassle free cooling,
get a quote today !



Pluto Specification (24V EV-Compatible)

Model		Pluto 24V	Pluto 12V
Voltage		24V	12V
Refrigerant		R134a	R134a
Refrigerant Charge		0.7 kg (1.5 lbs.)	0.7 kg (1.5 lbs.)
Cooling Capacity	+5°C (41°F)	2,050 W (6,995 BTU/H)	1,400 W (4,800 BTU/H)
	0°C (32°F)	1,720 W (5,869 BTU/H)	1000 W (3,400 BTU/H)
	-10°C (14°F)	980 W (3,344 BTU/H)	500 W (1,700 BTU/H)
Heating Option		Hot Gas Heating	Hot Gas Heating
Heating Capacity		828 W (2,823 BTU/H)	600 W (2,050 BTU/H)
Defrost		Hot Gas	Hot Gas
Average Working Current		24V 42A (1 kWh)	12V 85A (1 kWh)
Max Current		24V 55A (1.3 kWh)	12V 110A (1.3 kWh)
Compressor Type		24V DC Brushless	12V DC Brushless
Evaporator Fan Speed		≥ 1,190 M³/H (700 CFM)	≥ 930 M³/H (500 CFM)
Condenser Fan Speed		≥ 980 M³/H (580 CFM)	≥ 750 M³/H (440 CFM)
Condenser Dimensions		1076 x 800 x 205 mm (42.4 x 31.5 x 8 in)	1076 x 800 x 205 mm (42.4 x 31.5 x 8 in)
Condenser Weight		39 kg (86 lbs.)	39 kg (86 lbs.)
Evaporator Dimension		766 x 530 x 153 mm (30.2 x 20.9 x 6 in)	766 x 530 x 153 mm (30.2 x 20.9 x 6 in)
Evaporator Weight		15 kg (34 lbs.)	15 kg (34 lbs.)
Applicable Volume	+2°C (36°F)	< 14 m³ (494 ft³)	< 14 m³ (494 ft³)
	-5°C (23°F)	< 10 m³ (353 ft³)	< 10 m³ (353 ft³)
Package Size (Condenser)		1170 x 865 x 254 mm (46 x 34 x 10 in)	1170 x 865 x 254 mm (46 x 34 x 10 in)
Package Size (Evaporator)		825 x 585 x 230 mm (32.5 x 23 x 10 in)	825 x 585 x 230 mm (32.5 x 23 x 10 in)
Control Panel		Digital (Celsius – Fahrenheit)	Digital (Celsius – Fahrenheit)

Add Optional Battery Power			
Battery Pack	Number of Batteries	2	4
	Battery Pack Weight	40 kg (88.2 lbs.)	80 kg (176.4 lbs.)
	Charger	1200 W AC - DC	
	Pack Capacity	5,120 Wh	10,240 Wh
	Estimated Runtime	Up to 6 hours	Up to 12 hours

How Does Pluto Work?



For Electric Vans & Small Trucks (EV)

- **All-Electric Power**

The Pluto utilize advanced battery technology to maintain optimal cargo temperatures. The addition of solar panels can further extend battery life and minimize the need for charging.

- **Maximize Uptime**

Recharge overnight with a standard power outlet for uninterrupted daily operation, while running the reefer on-shore power.

- **Tailored to You**

Choose the battery size and solar panel system that best fits your specific vehicle and delivery needs.



For Gas/Diesel Powered Vans & Small Trucks (ICE)

- **Hybrid Power**

The Pluto combine the power of your vehicle's alternator, advanced batteries, and optional solar panels to ensure your cargo stays at the right temperature by keeping the Pluto units working even while the vehicle engine has been turned off.

- **Recharge on the Go**

The system uses your vehicle's alternator while driving to power the refrigeration and charge the batteries.

- **Maximize Uptime**

Plug into a standard 110V/13A outlet overnight for full battery charge and enjoy extended cooling with integrated shore power.

- **Tailored to You**

Customize your system with the right battery size and solar panel system to match your vehicle and delivery routes.

TriTracker & Smart Control System (Optional)

Take control of your reefer performance

Stay informed and in control with the TriTracker, a comprehensive monitoring system designed specifically for the Volta Air Pluto refrigeration units. Gain real-time visibility and optimize your refrigerated transport operations!

Real-Time Visibility, Anywhere, Anytime

The TriTracker system seamlessly integrates with the smart controller, providing real-time data access to your cloud-based platform.

Enhanced Efficiency & Reduced Risk

Guarantee on-time deliveries with consistent temperatures, and receive maintenance alerts to maximize uptime and optimize fleet performance.



In-Cab Smart Controller

Take control at your fingertips with the intuitive 5-inch Volta Air control panel, allowing you to monitor, adjust, and receive alerts – all in one place.

System Fault Indicator

Alerts you when a system error occurs.

Temperature Display

Blue for normal, orange for defrost.

Modes

Switch between cooling, heating, and auto.

Setpoint

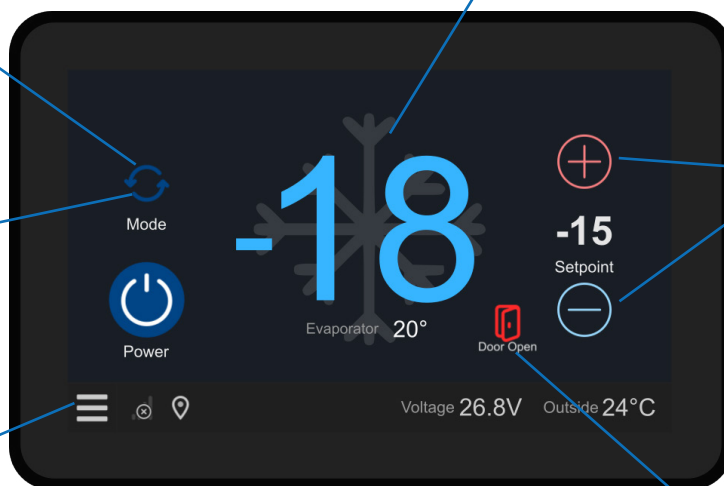
Buttons adjust box temperature.

Settings Menu

Adjust brightness, temp unit, and view serial number.

Door Alarm

Alerts when the refrigerated compartment door is open.



Volta Air, More Than Just Reefer Units: A Partnership for Success

We are committed to your operational excellence through superior products and support.

At Volta Air, we leverage over 10 years of experience, along with advanced R&D, and a dedicated sales network to deliver innovative electric refrigeration solutions that power your fleet's success.

- **Industry-Leading Technology:** The Pluto series are designed for performance and longevity.
- **Expert Support:** Our team is dedicated to helping you maximize your investment.
- **Commitment to Sustainability:** We're passionate about a greener future for transportation.
- **Customer Satisfaction:** Our clients are our top priority, and their success is our success.

Experience the Volta Air difference. Partner with us today !





Ready to Electrify Your Fleet ?

Contact Volta Air today to learn more about Pluto.
Let us help you optimize your refrigerated transport
operations and join the electric revolution!



Sustainable refrigeration solutions by Volta Air Designed and Engineered in Canada. Volta Air is a designer and manufacturer of sustainable, all electric, refrigeration solutions. We have patent pending proprietary technology that enables all electric Direct Current (DC) powered units.

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