



PLUTO PLUTO DUAL

All-Electric Urban Delivery Reefer Unit

Zero Emission Solutions for Lower Costs, Higher Performance, and a Greener Footprint



VOLTA AIR



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 series, 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 |



PLUTO DUAL

Single-Temp / Multi-Temp

All-Electric Urban Delivery Reefer Unit
No-Idle Solutions for Lower Costs, Higher
Performance, and a Greener Footprint



VOLTAIR

PLUTO[®] DUAL

Double the Cooling, Double the Flexibility

Upgrade your fleet with a 24V electric reefer unit, Enjoy flexible configuration options and lower operating costs, compatible with a wide range of electric and conventional van models.

- **Dual Cooling Power**
Single evaporator, single zone with dual cooling power.
(Dual zone cooling available upon request.)
- **Independent Operation**
No reliance on the engine, saving fuel and maintenance costs.
- **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 Dual Specification (24V EV-Compatible)

| Model | | Pluto Dual 24V (12V available upon request) |
|-----------------------|--------------|---|
| | | Fresh |
| Voltage | | 24V |
| Refrigerant | | R134a (4.8 lbs.) |
| Cooling Capacity | +15°C (60°F) | 6,300 W (21,496 BTU/H) |
| | +5°C (41°F) | 5,000 W (17,060 BTU/H) |
| | -15°C (5°F) | 2,600 W (8,871 BTU/H) |
| Heating Option | | Hot Gas Heating |
| Heating Capacity | | 2900 W (9,895 BTU/hr) |
| Defrost | | Hot Gas |
| Compressor Type | | 24V DC Brushless |
| Evaporator Air Volume | | ≥ 1,530 M³/H (900 CFM) |
| AMP Average | | 24V 86A |
| AMP Maximum | | 24V 111A |
| Condenser Dimensions | | 1100 x 1265 x 210 mm (43.3 x 49.8 x 8.2 in) |
| Condenser Weight | | 61 kg (134.5 lbs.) |
| Evaporator Weight | | 23.5 kg (51.8 lbs.) |
| Control Panel | | Digital (Celsius – Fahrenheit) / Analog (By customer Request) |

| Add Optional Battery Power | | | |
|----------------------------|---------------------|--|---------------------|
| Battery Pack | Number of Batteries | 4 | 8 |
| | Battery Pack Weight | 80 kg (176.4 lbs.) | 160 kg (352.7 lbs.) |
| | Charger Options | 1200 W AC - DC / 2400 W AC - DC / 3600 W AC - DC | |
| | Pack Capacity | 10,250 Wh | 20,500 Wh |
| | Estimated Runtime | Up to 6 hours | Up to 12 hours |

How Does Pluto Dual Work?

Single-zone

The Pluto Dual, equipped with a single evaporator, delivers dual cooling power. Designed for efficiency and performance, our single-zone cooling ensures optimal conditions for transporting fresh products, minimizing environmental impact.



Pluto Dual Specification (24V EV-Compatible)

| Model | | Pluto Dual 24V (12V available upon request) | |
|-----------------------|--------------|---|--|
| | | Fresh | Frozen |
| Voltage | | 24V | 24V |
| Refrigerant | | R134a (2.6 lbs.) | R134a (2.2 lbs.) |
| Refrigerant Charge | | 0.7 kg (1.5 lbs.) | 0.7 kg (1.5 lbs.) |
| Cooling Capacity | +15°C (60°F) | 3,300 W (11,500 BTU/H) | 3,000 W (10,200 BTU/H) |
| | +5°C (41°F) | 2,700 W (9,212 BTU/H) | 2,300 W (7,860 BTU/H) |
| | -15°C (5°F) | 1,200 W (3,800 BTU/H) | 1,400 W (4,775 BTU/H) |
| Heating Option | | Hot Gas Heating | Hot Gas Heating |
| Heating Capacity | | 1400 W (3400 BTU/hr) | 1500 W (4800 BTU/hr) |
| Defrost | | Hot Gas | Hot Gas |
| Compressor Type | | 24V DC Brushless | 24V DC Brushless |
| Evaporator Air Volume | | ≥ 1,380 M³/H (818 CFM) | ≥ 1,050 M³/H (620 CFM) |
| AMP Average | | 24V 35A | 24V 51A |
| AMP Maximum | | 24V 48A | 24V 63A |
| Condenser Dimensions | | 1100 x 800 x 217 mm (43.3 x 32.8 x 8.5 in) | 1100 x 495 x 203 mm (43.3 x 19.5 x 8 in) |
| Condenser Weight | | 30 kg (66 lbs.) | 31 kg (68 lbs.) |
| Evaporator Dimension | | 766 x 530 x 153 mm (30.2 x 20.9 x 6 in) | 635 x 254 x 254 mm (25 x 10 x 10 in) |
| Evaporator Weight | | 13.5 kg (29.7 lbs.) | 10 kg (22 lbs.) |
| 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 Dual Work?

Dual-zone (Multi-Temp Application)

Dual-zone design ensures optimal temperature control for your diverse cargo. With independent cooling systems in each compartment, you can maintain precise temperatures, preventing goods spoilage and maximizing your profits.



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 and Pluto Dual 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

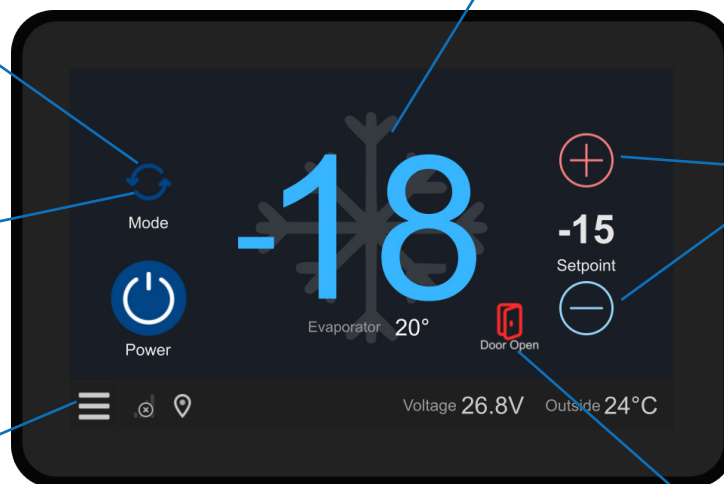
Buttons adjust box temperature.

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 Dual. Let us help you optimize your refrigerated transport operations and join the electric revolution !



Pluto Specification



Pluto Dual
Single-Temp Specification



Pluto Dual
Multi-Temp Specification



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.

Address: 3903 2nd Ave, Burnaby, BC V5C 3W9

Tel: 1 (855) 210 3839

Email: sales@voltaair.com

Website: www.voltaair.com

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