

# Pluto

All-Electric Reefer Unit



VOLTA AIR

## Green, Sustainable, Efficient and Reliable

Businesses face new challenges continuously. From increasing fuel costs to new noise or food safety regulations, there are a lot of variables that can cripple your operations. And while facing such challenges, you're still expected to continue to always deliver the freshest product possible. That's where Volta Air can help you.

Our range of electric and hybrid vehicle refrigeration units can suit all your needs. Irrespective of the kind of vehicle you have, Volta Air has efficient temperature control or refrigeration solutions for you.



## Pluto Electric Reefer Unit

Pluto is one of the most advanced no-idle electric reefer by Volta Air. It is a 12V electric refrigeration unit that does not need the engine compressor to function. This translates into savings on fuel cost and on future maintenance or engine repair costs. Unlike any other reefer unit on the market, Pluto has the capability to operate for up to 30 minutes without the engine or standby option on. This no-idle time varies with ambient temperature, insulation, application, and door openings. We've kept our customers in mind while designing this unit to ensure that it suits all your needs, use case scenarios, and is easy to install and operate.



## Pluto Electric Reefer Unit is the right choice for you. Find out why!

### Reduced Fuel & Operational Costs

It is achieved by optimizing performance according to the capacity demand, thus reducing the fuel consumption of the vehicle. Less fuel consumed implies lower operational costs.

### Hassle-free and Quick Installation

The installation process of the Pluto Electric Reefer Unit is a simple one person, one day job. You'll get all the things you need to set the unit up in the Installation Kit and our technical support staff will be just a call away to help you out!

### Flexible Operation

The Pluto Electric Reefer Unit is flexible and can easily adjust according to your needs. It is adjustable enough that you can transport frozen and fresh goods as per your requirement. Just set the temperature you want and the rest will be taken care of!

### Low Operational Noise

The Pluto Electric Refrigeration Unit produces low noise levels in all operating conditions. So, you don't have to worry about breaking any noise regulations, ever.

### Smart Digital Temperature Controller

The smart digital temperature controller enables accurate monitoring and control of your cargo's temperature from the control panel. You can also check the analytics data of the temperature, power consumption, and more.

### Volta Air, CARB Approved

Most of our refrigeration systems, are approved by the California Air Resources Board. This makes you eligible for TRU exemption from registering units or doing expensive compliance upgrades. You are also eligible for an 80% rebate in California with the approval of CARB!

**Sustainable refrigeration solutions by Volta Air  
Designed and Engineered in North America.**

## In-Cab Integrated Smart LCD Display Unit / Controller

With advanced control options, easy to program, and a clear LCD Backlit display, the Volta Air Smart Controller display unit is designed for optimal control of the refrigeration unit. The unit allows access to multiple functions and options, while guaranteeing optimal temperature control and accurate system reporting. The PLUTO DSR Display is fully integrated with alarm codes and information symbols for easy readability and rapid response.



### Smart Control Panel with Advanced Digital Technology

- Easy installation
- Advanced controls within a simple interface
- Accurate refrigeration monitoring and management
- Highly configurable for specific applications

### The LCD Control Unit

- Reduced service costs and fewer maintenance callouts
- Separated display and control board for easy and clean installation
- LCD backlit, with brightness control, for clear readability in all light conditions

### Automated Features

- Low voltage protection, automatic recovery from power loss
- Manual and automated defrost command, with optional scheduling
- Variable fan and compressor speed control to ensure optimal performance and extend battery life
- Automatic shutdown if a door is left open, reduces cooling losses
- Over-the-air firmware updates

### Optional Features

- Integration with TriTrackers application that allows for real-time temperature monitoring, GPS location tracking and system diagnostics.
- Independent control of multi-temp units
- Set-point lock
- Better manage the safety of your drivers and your products
- See suggestions for replacements to dodge expensive repercussions
- Preventative maintenance scheduling and reminders (TBD)



# Specifications

Model		Pluto+
Working Voltage		12V
Refrigerant		R-134a (2.6 lbs)
Cooling Capacity	+15°C (60°F)	3300 W (11500 BTU/H)
	+5°C (41°F)	2700 W (9212 BTU/H)
	-15°C (5°F)	1000 W (3400 BTU/H)
Heating and Defrost		Hot Gas Heating
Heating Capacity		1600 W (5450 BTU/H)
Compressor Type		12V DC Brushless Electrical
Evaporator Air Volume		>1275 m <sup>3</sup> /h / 750 CFM
AMP Draw	Average Current	85A at 12V
	Maximum Current	110A at 12V
	Recommended Alternator	180A-120A
Condenser Dimensions		1100 x 800 x 217 mm (43.3 x 32.8 x 8.5 in)
Condenser Weight		30 kg (68 lbs)
Evaporator Dimensions		766 x 530 x 153 mm (30.2 x 20.9 x 6 in)
Evaporator Weight		13.5 kg (29.7 lbs)
Average Installation Time		6.0 hours

## Trusted By Companies Of All Sizes



## **VOLTA AIR TECHNOLOGY INC.**

### **Clean Refrigeration for Urban Delivery**

Volta Air is a manufacturer for a range of sustainable refrigeration solutions for all kind of vehicles and applications.

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