



 **TITAN**

**Front-mounted Electric Reefer Unit**

## 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.



### Titan Electric Reefer Unit

Titan is a powerful, front-mounted no-idle electric reefer by Volta Air. It is a 12V electric refrigeration unit that can function without the engine compressor. This will help you save a lot on fuel costs and future maintenance or engine repair costs. Due to its power, it is best suited for commercial trucks or custom freezing projects. It can operate for up to 30 minutes without the engine or standby option turned on. This no-idle time will vary with changes in ambient temperature, insulation, application, and door position.

#### **The Titan Refrigeration Unit comes in two variants depending on power source:**

- **Battery Powered:** In this variant, the refrigeration unit is integrated with rechargeable batteries as the main power source.
- **Solar Powered:** In this variant, the refrigeration unit has an alternative charging system with solar panels as the main power source.



### **Lower Fuel Consumption & Operational Costs**

The Titan reefer unit adjusts its performance according to capacity and demand, thus reducing fuel and power consumption. Reduced fuel consumption leads to a reduction in operational costs.

### **Smart Digital Temperature Controller**

With the smart digital temperature controller, you can accurately monitor and control your cargo's temperature from the control panel. You can also check past data about temperature, power consumption, and more

### **Event-based Notification**

With the SDTC, you can set an alarm range for the temperature and voltage. Once you set the range, you will get notified via email or SMS when the values go beyond the range you specified.

### **Low Noise**

The Titan Front-mounted Electric Refrigeration unit produces low noise levels in all operating conditions. So, stop worrying about breaking any noise regulations and carry on with your business.

### **Installation Assistance**

The installation of the Titan Electric Reefer unit is a two-person, two-day heavy-duty job. You'll get all the installation materials along with a video guide and manual. You can contact us for on-call consultation and tech support.

### **Volta Air, Approved by CARB**

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. With CARB's approval, you are also eligible for an 80% rebate in California!

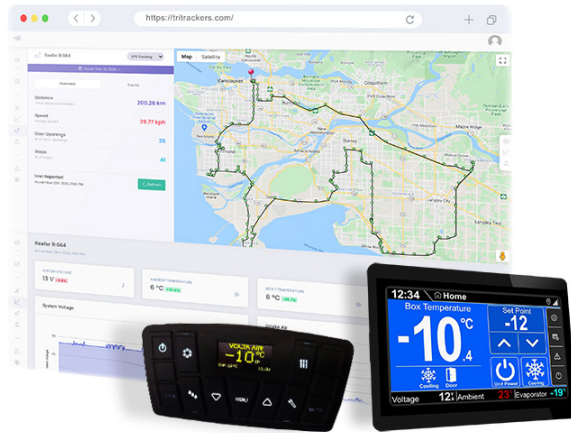
**The Titan Front-mounted Electric Reefer Unit comes with**  
Reefer Unit, Telematics, Installation Materials, Advanced Batteries, Solar Panels  
and Standby Charging

**Sustainable refrigeration solutions by Volta Air**  
**Designed and Engineered in Canada**



## 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		Titan Monoblock	Titan Monoblock Plus
Voltage		12V	24V
Refrigerant		R134a	
Refrigerant Charge		2.4 kg (5.2 lbs)	2.5 kg (5.5 lbs)
Cooling Capacity	+5°C ( 41°F )	6,000 W (20,500 BTU/h)	6,900 W (23,500 BTU/h)
	0°C ( 32°F )	4,600 W (15,700 BTU/h)	5,100 W (17,400 BTU/h)
	-15°C (5°F )	2,100 W (7,150 BTU/h)	2,900 W (9,900 BTU/h)
Heating Option		Hot Gas Heating	
Heating Capacity		3,300 W (11,250 BTU/H)	3,800 W (13,000 BTU/H)
Compressor Type		2x 12V DC Brushless Electrical	2x 24V DC Brushless Electrical
Evaporator Fan Speed		≥1530 M³/H (900 CFM)	≥1530 M³/H (900 CFM)
Working Current		12V 180A	24V 120A
Max Current		12V 240A	24V 150A
Condenser Dimensions		1470 X 500 X 530 mm (57.9 X 19.7 X 20.9 in)	
Condenser Weight		94 kg (208 lbs)	
Evaporator Dimension		965 X 690 X 225 mm (38 X 27 X 8.8 in)	
Evaporator Weight		21 kg (46 lbs)	
Defrost		Hot Gas	

## 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.

## Trusted By Companies Of All Sizes



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