

# Technical Bulletin

Models Involved: All Vanner VLT Series Inverters now offered

Subject: Expanded Operating Range for DC Input Voltage and Ambient Temperature

Background: VLT Series inverters are typically used in mobile workplace applications. Some of the mobile workplace parameters have been changing. Vanner has expanded the VLT Series Inverter performance specifications to accommodate these changes.

DC System Voltage: Vehicle dc charging voltages have been gradually increasing over the years to accommodate the increasing electrical needs. It is now common to see maintained charging voltages in excess of 15vdc. The VLT Series Inverters will now accept input voltages up to 16vdc. (32vdc on 24v models).

Ambient Operating Temperature: The mobile workplace operators may need to work in extreme temperatures far outside the typical mobile office environment. The VLT Series Inverters will now operate in ambient temperatures from -25°C to +50°C (-13°F to +122°F).

## New Performance Specifications for All VLT Models

<b>Ambient Operating Temperature</b>	
All Models	-25°C to 50°C (-13°F to 122°F)
<b>DC Input Voltage Range</b>	
VLT12-300, 600, 2000, 3000	11.5 vdc to 16.0 vdc
VLT12-1000, 1500	10.0 vdc to 16.0 vdc
VLT24-300, 600, 2000, 3000	23.0 vdc to 32.0 vdc
VLT24-1000, 1500	20.0 vdc to 32.0 vdc

Owner's Manual Addendum: Use this technical bulletin as an addendum to Owner's Manual D910106-B for 600 watt, 1000 watt, and 1500 watt models, and as an addendum to Owner's Manual D914572-C for 2000 watt and 3000 watt models.

**For more information on Vanner's VLT Sinewave Inverter log on to [www.vanner.com](http://www.vanner.com) or contact Vanner at 800-AC POWER.**