

## Technical Bulletin TA Series Dynamic Inverter

**Subject:** Inverter's GFCI Receptacle changed from 20 amp to 15 amp rating  
**Date:** October 20, 2003  
**Models affected:** TA60-100.3, TA60-100D.3, TA60-100P.3  
**Serial Number:** Effective serial number 12345-123456

**Background:** Beginning January 1, 2002 the National Electric Code (NEC) required Arc Fault Circuit Interrupter (AFCI) receptacles be used in new residential construction for bedroom receptacle outlets. Receptacle manufacturers today offer dual rated AFCI/GFCI receptacles that include both the Arc Fault and the Ground Fault ratings. These receptacles are approved by NEC for use in bedroom installations, and are widely used in any installation where standard GFCI receptacles are required. Many manufacturers today only offer AFCI/GFCI receptacles and no longer offer standard GFCI receptacles having only the GFCI function.

**Performance:** AFCI/GFCI receptacles are not acceptable for use with inverters. The arc fault sensing circuit will trip and/or will be damaged when connected to AC power produced by an inverter. For acceptable performance the receptacles must be rated as standard GFCI only.

**Availability:** The availability of standard 20 amp GFCI receptacles has decreased to unacceptable levels. Standard 15 amp GFCI receptacles are readily available as of this writing.

**Manufacturing Change to the TA Series Inverter:** Because of unacceptable availability of the standard 20 amp GFCI receptacle, the receptacle located on the front of the inverter will change from a standard 20 amp GFCI receptacle, Vanner part number 07116, to a standard 15 amp GFCI receptacle, Vanner part number 07115. This change is effective beginning with the serial number listed at the top of this bulletin.

**Owner's Manual:** Page 2 in the TA Series Owner's Manual mentions the inverter's GFCI receptacle is rated 20 amps. Keep this Technical Bulletin with the owner's manual to document the receptacle was changed from a 20 amp rating to a standard GFCI receptacle rated 15 amps.