



# 20 KVA Smart Inverter/ Power Processor

Inverters for utility and substation applications

## INNOVATIONS IN POWER

### Features:

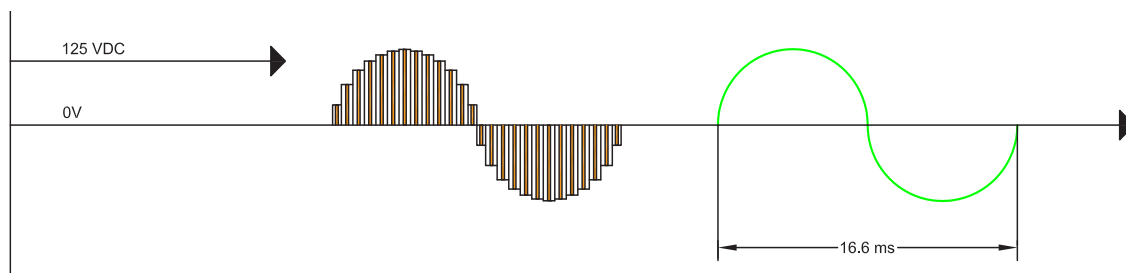
- › Unique power processing technology mitigates harmonics and provides clean, isolated power without needing an external regulating transformer.
- › Intuitive HMI for control and monitoring.
- › Multiple communication options available.
- › Low stress switching extends life of inverter.
- › Selected by the Department of Energy (DOE) as an Energy Related Invention under ERIP program.
- › Hardware evaluated by Sandia National Labs.
- › Step-wise Synthesis Technology.
- › Integrated 5 position Manual Bypass Switch (pad lockable).
- › IP66 Rated Cabinets Available.
- › High Efficiency
- › THD and noise are < 2%.



\*NOTE: IMAGES MAY DIFFER FROM ACTUAL UNIT.

### Power Industry Leaders

For over 30 years, Tinitron, Inc. has provided power systems and specialty magnetics to nearly every industry. With extensive experience in power electronics, Tinitron is able to build the worlds most sophisticated inverters and power distribution systems.





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### Electrical Specifications

Input Voltage:	125 VDC
Capacity:	20 KVA
Communication:	Modbus TCP (by default)
Protection:	E-stop, Door Interlocks, MCCB, Smart Fuse Sensing, over/under voltage, configurable alarms.
Output Voltage:	120 VAC
Output Frequency:	60 Hz (+/- 0.01%).
Efficiency:	> 95%
Interface:	7" Multi Touch TFT, SVGA
Power Stage:	Insulated Gate Bipolar Transistors (IGBTs)

### Environmental Specifications

Relative Humidity:	100% Non Condensing
Altitude:	Up to 3000M
IP Rating:	IP54 (higher ratings available)
Operating Temperature:	-20 - 55 deg. C
Paint:	RAL 7032