

## High Voltage Power Inverters

*Environmentally Friendly, Quiet, Reliable, AC Power*

<b>Output Voltage (VAC)</b>	120/240 ±5%
<b>Output Frequency:</b>	60 Hz ± 0.02%
<b>Output Waveform:</b>	Quasi-sine wave, with waveform stabilizer
<b>Input Voltage: (VDC)</b>	44 to 56
<b>Operating Temperature:</b>	-20° to 40° C (0° to 104° F)
<b>Efficiency:</b>	Up to 88%



### Other Design Features:

- Patented construction and cooling methods
- Thermally controlled cooling fan
- Enclosed AC and DC cable connections
- GFCI outlet protection
- LED indication for External power, Inverter power, Low input voltage, High temperature, & Overload
- Optional Battery Charger "B1" (48/3200D, 48/5800D & 48/8000D only)
- Optional Transfer Relay "T" or "T1"

### Unit Protection:

- Automatic electronic short circuit/overload protection
- Automatic over temperature shutdown
- Output circuit breakers

### Battery Protection:

- Automatic low battery shutdown at 42 VDC (with in-rush delay)

MODEL NUMBER	48/3200D	48/4800D	48/5800D	48/8000D
<b>Output Power</b> (Watts Cont.)	3,200	4,800	5,800	8,000
<b>Output Current</b> (Amps @ 120VAC)	Up to 27	Up to 40	Up to 48	Up to 67
<b>Peak Output</b> (Amps AC)	80	120	145	200
<b>Output Rating:</b> (hp)	2	2	3	5
<b>Input Current</b> (Amps DC)	Up to 80	Up to 120	Up to 145	Up to 200
<b>Weight</b> (lbs.)	65	90	110	125
<b>Dimensions</b> in. (LxWxH)	16x17x10		18x20x12½	

**Usage:** Any 120/240 VAC, 60 Hz single phase product within the inverter's power rating that does not require a pure sine waveform.

**Warranty:** Full year parts and factory labor.

### OPTIONAL BATTERY CHARGER "B1"

MODEL NUMBER	48/3200D	48/5800D	48/8000D
BATTERY CHARGER "B1"	Totally Correct ®, selectable between wet and sealed lead acid batteries, selectable between small and large battery banks		
Output Current (Amps DC)	Up to 30	Up to 60	Up to 80
Input Current (Amps @ 240VAC)	Up to 10	Up to 20	Up to 30

- Programmable output voltage for different types of lead acid batteries
- Regulated voltage and current output, with patented State-of-Charge detector circuitry
- Automatic temperature compensation of output voltage
- Automatic turn off at full charge
- Automatic power supply mode if battery voltage drops
- LED indication of Battery Charger On, 100% charge level, 80% charge level, and Timer Complete
- Direct AC battery charger input

### OPTIONAL TRANSFER RELAY

MODEL NUMBER	48/3200D	48/4800D	48/5800D	48/8000D
TRANSFER RELAY	Smart relay with low input voltage disconnect			
Current Rating "T"	30 Amps AC with 30 amp Output Circuit Breaker			
Current Rating "T1"	50 Amps AC with 50 amp Output Circuit Breaker			
Transfer Time (milliseconds)	65 typical			