



## Millennium Series Power Inverters

*Environmentally Friendly, Quiet, Reliable, AC Power*

<b>Output Voltage (VAC)</b>	120 ±5%
<b>Output Frequency:</b>	60 Hz ± 0.05%
<b>Output Waveform:</b>	Pure sine wave, <5% THD typical
<b>Input Voltage: (VDC)</b>	11 to 14
<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
- 16 bit, 16 MHz microprocessor control
- Thermally controlled cooling fan
- Enclosed AC and DC cable connections
- Remote ON/OFF switch hookup
- GFCI outlet protection
- LED indication of External power, Inverter power, Low input voltage, High temperature, & Overload
- Battery voltage indicator with push-to-test
- Optional Battery Charger "B1" (12/1800N and 12/3000N only)
- Optional Transfer Relay "T"
- Optional Transfer Relay "T1" (12/3000N or 12/3600N only)
- Optional Dual Output Voltage "D" (120/240 VAC) (12/2400N, 12/3000N, and 12/3600N only)
- Remote Control "R" (not on 12/3000NPL)

### Unit Protection:

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

### Battery Protection:

- Automatic low battery shutdown at 10.5 VDC (with in-rush delay)

MODEL NUMBER	12/1800N	12/2400N	12/3000N	12/3600NPL	12/3600N
<b>Output Power</b> (Watts Cont.)	1,800	2,400	3,000	3,600 (30 min)	3,600
<b>Output Current</b> (Amps AC)	Up to 15	Up to 20	Up to 25	Up to 30	Up to 30
<b>Peak Output</b> (Amps AC)	33	54	54	60	75
<b>Output Rating:</b> (hp)	½	1	1	1½	1½
<b>Input Current</b> (Amps DC)	Up to 180	Up to 240	Up to 300	Up to 360	Up to 360
<b>Weight</b> (lbs.)	42	53	58	58	80
<b>Dimensions</b> in. (LxWxH)	15½ x 16 x 7½				16x17x10

**Usage:** Any 120 VAC, 60 Hz single phase product within the inverter's power rating.

**Warranty:** Full year parts and factory labor **(with Advance Replacement Program)**

### OPTIONAL BATTERY CHARGER "B1"

<b>MODEL NUMBER</b>	<b>12/1800N</b>	<b>12/3000N</b>
<b>BATTERY CHARGER "B1"</b>	Totally Correct ®, selectable between wet and sealed lead acid batteries, selectable between small and large battery banks	
<b>Output Current</b> (Amps DC)	Up to 85	Up to 105
<b>Input Current</b> (Amps AC)	Up to 15 @ 120 VAC	Up to 20 @ 120 VAC

- 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

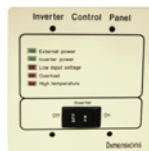
### OPTIONAL TRANSFER RELAY

<b>MODEL NUMBER</b>	<b>1800N</b>	<b>2400N</b>	<b>3000N</b>	<b>3600NPL</b>	<b>3600N</b>
<b>TRANSFER RELAY</b>	Smart Relay with low input voltage disconnect				
<b>Availability</b>	<b>T</b>	<b>T</b>	<b>T or T1</b>	<b>T</b>	<b>T or T1</b>
<b>Current Rating "T"</b>	30 Amps AC with 30 amp Output Circuit Breaker				
<b>Current Rating "T1"</b>	50 Amps AC with 50 amp Output Circuit Breaker				
<b>Transfer Time</b>	65 milliseconds (typical)				

### OPTIONAL DUAL OUTPUT VOLTAGE "D"

- Regulated dual output voltage of 120/240 VAC

### OPTIONAL REMOTE CONTROL "R"



- Remote On/Off switch panel with status indicators