

## 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>	22 to 28
<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 (not on 24/400N)
- Remote ON/OFF switch hookup
- GFCI outlet protection
- LED indication of External power, Inverter power, Low input voltage
- LED indication of High temperature and Overload (not on 24/400N)
- Battery voltage indicator with push-to-test (not on 24/400N)
- Optional Battery Charger "B1" (not on 24/400N)
- Optional Transfer Relay "T" (not on 24/400N or 24/4800N)
- Optional Transfer Relay "T1" (not on 24/400N or 24/2200N)
- Optional Dual Output Voltage "D" (120/240 VAC) (not on 24/400N)
- Remote Control "R" (not on 24/400N)

### Unit Protection:

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

### Battery Protection:

- Automatic low battery shutdown at 21 VDC (with in-rush delay)

MODEL NUMBER	400N	2200N	3300N	4800N	4800DN	5600DN
<b>Output Power</b> (Watts Cont.)	400	2,200	3,300	4,800		5,600
<b>Output Current</b> (Amps AC)	Up to 3	Up to 18	Up to 28	Up to 40		Up to 23
<b>Peak Output</b> (Amps AC)	9	55	80	110		140
<b>Output Rating:</b> (hp)		1	2	2		3
<b>Input Current</b> (Amps DC)	Up to 20	Up to 110	Up to 165	Up to 240		Up to 280
<b>Weight</b> (lbs.)	14	42	69	90		140
<b>Dimensions</b> in. (LxWxH)	12½x6x5	15½x16x7½	16 x 17 x 10			18x20x12½

**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"

MODEL NUMBER	24/2200N	24/3300N	24/4800N	24/4800DN	24/5600DN
<b>BATTERY CHARGER "B1"</b>	<b>Totally Correct</b> ®, selectable between wet and sealed lead acid batteries, selectable between small and large battery banks				
<b>Output Current</b> (Amps DC)	Up to 50	Up to 75	Up to 100	Up to 140	Up to 160
<b>Input Current</b> (Amps AC)	Up to 20 @ 120 VAC	Up to 30 @ 120 VAC	Up to 30 @ 120 VAC	Up to 22 @ 240 VAC	Up to 26 @ 240 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

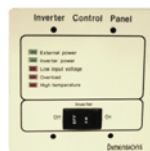
## OPTIONAL TRANSFER RELAY

MODEL NUMBER	24/2200N	24/3300N	24/4800N	24/4800DN	24/5600DN
<b>TRANSFER RELAY</b>	Smart Relay with low input voltage disconnect				
<b>Availability</b>	T	T or T1	T1	T or T1	
<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 (Not available in combination with "B1" on 24/2200N)
- Standard feature on 24/5600DN

## OPTIONAL REMOTE CONTROL "R"



- Remote On/Off switch panel with status indicators