

Emergency Vehicle Power Inverters

Environmentally Friendly, Quiet, Reliable, AC Power



Output Voltage (VAC)	120 ±5%
Output Frequency:	60 Hz ± 0.05%
Output Waveform:	Pure sine wave, <5% THD typical
Input Voltage: (VDC)	11 to 14
Operating Temperature:	-20° to 40° C (0° to 104° F)
Efficiency:	Up to 88%



Other Design Features:

- Patented construction and cooling methods
- 16 bit, 16 MHz microprocessor control
- Thermally controlled cooling fan
- KKK-A-1822E Certified
- GFCI protected receptacle
- AC hardwire hookup
- "A Option" provides GFCI protection for the hardwire output
- LED indication of External power, Inverter power, Low battery, Overload and High temperature
- Remote ON/OFF switch hookup
- Optional Battery Charger "B1" (12/1800N and 12/3000N only)
- Optional Transfer Relay "T"
- Optional Transfer Relay "T1" (12/3000N only)
- Optional Dual output voltage "D" (12/2400N & 3000N)

Unit Protection:

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

Battery Protection:

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

MODEL NUMBER	12/1200N	12/1800N	12/2400N	12/3000N
Output Power (Watts Cont.)	1,200	1,800	2,400	3,000
Output Current (Amps AC)	Up to 10	Up to 15	Up to 20	Up to 25
Peak Output (Amps AC)	21	33	54	54
Input Current (Amps DC)	Up to 120	Up to 180	Up to 240	Up to 300
Weight (lbs.)	29	42	53	58
Dimensions in. (LxWxH)	15 x 8¼ x 7½	15½ x 16 x 7½		

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	12/1800N	12/3000N
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 85	Up to 105
Input Current (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

MODEL NUMBER	1200N	1800N	2400N	3000N
TRANSFER RELAY	Smart Relay with low input voltage disconnect			
Availability	T	T	T	T or T1
Current Rating "T"/Output Breaker	15A/15A	30A/30A	30A/30A	30A/30A
Current Rating "T1"/Output Breaker				50A/50A
Transfer Time	65 milliseconds (typical)			