

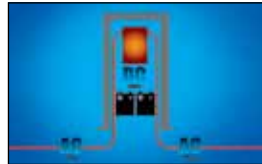
2000 **POWER**



INVERTER & BACKUP SYSTEM



power backup
to ALL access control
system components



power distribution
during normal operation



circuit breakers
six 20-amp branch breakers
provide protection for the
external loads



two batteries
(deep cycle) can be
accommodated in the cabinet

- Provides backup power for a COMPLETE vehicular access control system when primary (AC) power fails
- During normal operation, acts as a battery charger to maintain proper battery voltage levels
- Also is a power distribution panel, operating up to six (6) vehicular gate operators from a single unit
- Maintains backup power to all access control system components including the vehicular gate operator(s), loop detectors, secondary entrapment prevention devices, telephone entry system, card access system, RF controls, etc.
- Available in 3 power ratings depending on maximum load requirements

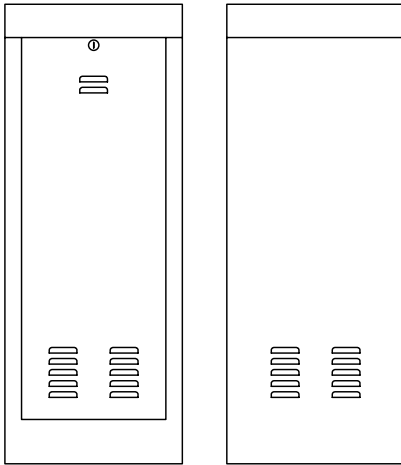
FEATURES

ACCESS CONTROL **SOLUTIONS**





The model 2000 power inverter provides backup power for a complete vehicular access control system when primary (AC) power fails. This capability maintains a completely operable access control system during power outages or brown outs and is ideal for airports, prisons, apartment complexes, gated communities, or any other high security application where maintaining an operable access control system is critical.



2000 Power Inverter and Backup

18.625" W x 45.5" H x 17.5" D
47.3cm W x 115.5cm H x 44.5cm D

General Specs

Electrical

Continuous power @68°F (20°C)
1500W = 1500VA
2400W = 2400 VA
3600W = 3600 VA

Efficiency
1500W = 94% max
2400W = 95% max
3600W = 95% max

Max AC Load Current
1500W = 12.5 A
2400W = 20 A
3600W = 30 A

DC Input
21.6 to 31 VDC
24 VDC Nominal

Voltage Regulation

Maximum
± 5%, (± 2.5% typical)

Waveform
Modified sine wave

Power Factor Allowed
0 to 1

Frequency Regulation
60 Hz ± .04%

Standard Output Voltage
120 VAC

Transfer Relay
30 Amps max

Environment

Operating Temperature
32°F - 140°F, (0°C - 62°C)

Non-Operating Temperature
-66°F - 168°F, (-55°C - 75°C)

Forced Air Cooling is thermally activated

Battery charger

10 Charging Profiles
Three Stage Charging
Temperature Compensation Probe included with system

Transfer Speed

Charger to Inverter
32 milliseconds
Inverter to Charger
40 seconds

Note: When switching from inverter to charger, the system waits approximately 40 seconds to insure that the AC source is stable

Circuit Protection

AC Input
30 amp
AC Output
Six (6) branch circuits
20 amps each

Gate Operator Control Circuit

Operating Modes
Continuous operation
Quick open operation
Operator Control
Maximum 6

Advanced Features

Three models to choose from: 1500, 2400 and 3600 Watt models
Modified sine wave output
RMS voltage regulation
Three stage battery charging
Over-discharge protection
32-millisecond transfer time from charger to inverter mode
120 VAC standard output voltage
Temperature compensation
Cabinet contains room for two (2) deep cycle batteries (not included)

Batteries (not included)

Two 12-Volt, 100 amp-hour (or higher) batteries wired in series to provide 24 VDC input to the system. Deep cycle batteries are best suited for use with this system. Batteries are the fuel tank for the model 2000. The larger the batteries, the longer the system can maintain operation before recharging becomes necessary

Inverter to Charger

When switching from inverter to charger, the model 2000 waits approximately 40 seconds to insure that the AC power source is stable

Safety Standards

Complies with the UL 1778 safety standard
ETL listed

Shipping Weight

Approximately 100-125 lbs (45.3-56.7 kg)

Warranty

2-year limited factory warranty

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