

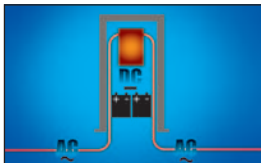
2000 POWER



# 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

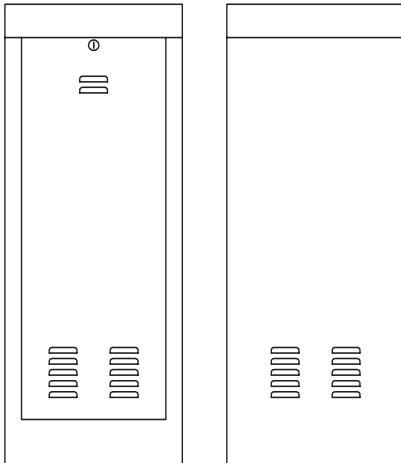
- Provides backup power for a COMPLETE vehicular access control system when primary (AC) power fails
- During normal operation, acts as a battery charger to maintain proper battery voltage levels
- Also is a power distribution panel, operating up to six (6) vehicular gate operators from a single unit
- 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 17.25" D  
47.3cm W x 115.5cm H x 43.8cm 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

Distributed by:

#### DOORKING, INC.

120 Glasgow Avenue, Inglewood, California 90301 U.S.A. Tel: 310-645-0023 FAX: 310-641-1586 www.doorking.com

© 2006 All Rights Reserved. Product specifications may change without notice. Rev. 4/06

#### MEMBER:

