CHLORIDE SYSTEMS

TYPE: _____

CATALOG NO.: _____

Overall Characteristics

80% throughput efficiency

Operating temperature range of 32°F (0°C) to 104°F (40°C); 95°F (35°C) for batteries

50 mS maximum transfer time

Standard 90 minutes of operating time

Permissible relative humidity for service 0-95%

Application

Operates incandescent and fluorescent electronic ballast loads

Not recommended for HID lighting loads

Housing

NEMA 1 enclosure

Galvanized cabinet with a white powder coat finished door

Mounting options include: surface wall mount and ceiling plenum mount

Multiple conduit entries

Refer to chart on back for dimensions

Battery

Maintenance free, sealed nickel cadmium battery with an expected life up to 10 years, and optimum operating range of 65°F (19°C) to 85°F (30°C)*

* Increases or decreases in temperature will affect battery performance. Optimum battery performance realized at 77°F (25°C). Batteries are rated at 100% capacity at 77°F (25°C).

PowerScape 150 VA

Interruptible Power Supply for Emergency Lighting Applications

Electronics

Inverter

Square wave output

Completely solid-state PWM inverter

Output voltage regulation ±10% of nominal at full load during emergency operation

Frequency 60.0 ±1 Hz

Inverter efficiency > 70%

Load power factor capability is 0.6 lagging to unity

Brownout protection is 75% of nominal line voltage

Low voltage disconnect (LVD)

Charger

Constant current charge regime

Recharge time: 24 hours

Self-contained charger module

Efficiency: 90% minimum

Indicators/Controls

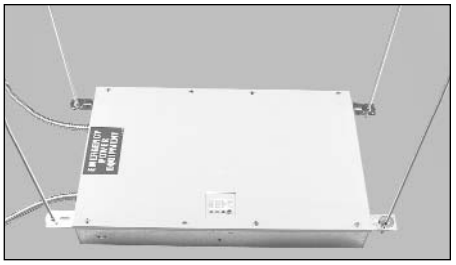
Local status panel indicators

Remote status panel (ceiling mount only)

Optional light switch override capability

Fused AC output

Automatic battery monitor with alarm



SHOWN: C960001CM

Listed to UL 924

SHOWN: C960001SM

Ordering Information

SERIES	INPUT/OUTPUT VOLTAGES	MOUNTING CONFIGURATION
C96000 = PowerScape Interruptible Power Supply For Emergency Lighting Applications	1 = 120V/120V without Light Switch Option 2 = 120V/120V with Light Switch Option 3 = 277V/277V without Light Switch Option 4 = 277V/277V with Light Switch Option 5 = 120V/12V without Light Switch Option 6 = 120V/12V with Light Switch Option 7 = 277V/12V without Light Switch Option 8 = 277V/12V with Light Switch Option	CM = Ceiling Plenum Installation* SM = Surface Wall Mount *(1) MICKIT and (1) MIRDIS accessories included

ACCESSORIES (order as a separate line item)

MIRDIS - Remote Display Assembly For System Status Monitoring Up To 20 ft. Away From PowerScape

MICKIT - 20 ft. Cable Kit For Connection of Remote Display Assembly

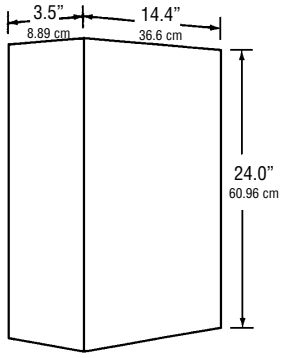
System Input/Output

MODEL	UNIT CAPACITY	INPUT (Select One)		OUTPUT
		AC INPUT VOLTAGES	INPUT AMPS [1]	AVAILABLE OUTPUT VOLTAGES/ MAX. LOAD AMPS
C96000	150 VA	120 277	1.60 0.89	1.25 A (120 V) 0.54 A (277 V) 12.5 A (12 V)

FLUORESCENT LAMP CAPACITY	42w	26w	14w
Quantity (full lumen)	3	5	10

NOTES:
1) Maximum input current

Dimensions/Weights



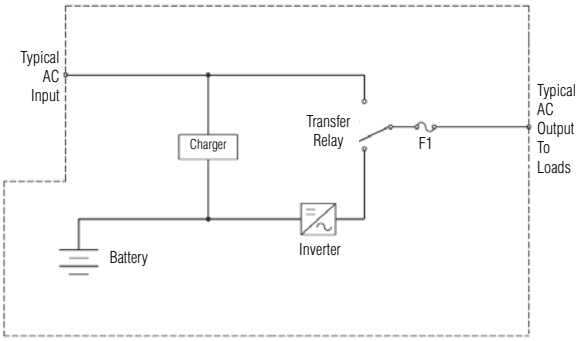
	150 VA
Total Unit w/ Battery	50 lbs. (22.7 kg)

Warranty

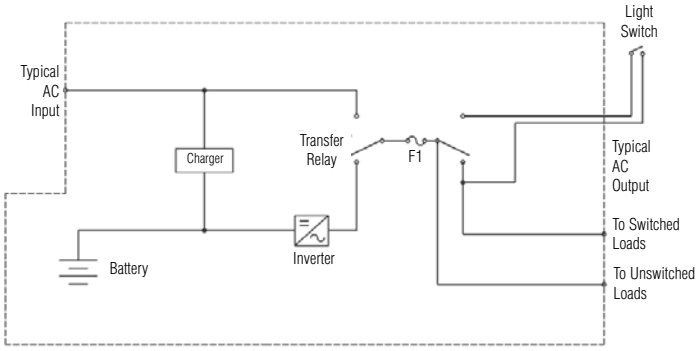
Electronics: 2 years
Battery: 5 years full, 5 years pro-rata

System One-Line Diagrams

Typical Unit



Typical Unit with Light Switch



Suggested Specification

Furnish and install Chloride's Emergency Lighting System known as PowerScape with a VA rating of 150. The system shall be square wave output, and shall be ETL listed to Underwriters Laboratories standard 924 and FCC Class A compliant.

Equipment and accessories furnished under the terms of this specification shall be the standard product of a single manufacturer and shall be equal in all respects to those supplied by Chloride Systems. Catalog numbers and model designations which appear herein indicate design, quality and the type of material as well as required operating characteristics. All equipment shall be in compliance with the applicable UL standards.

The connected load shall be powered normally by utility through the isolating relay and upon failure of the utility input, the load shall automatically continue to be powered via the PowerScape's solid-state DC to AC inverter for a period of 90 minutes. Upon restoration of utility power, the inverter will automatically reconnect the load to the utility power.

The PowerScape shall be capable of powering any combination of fluorescent ballasted lamps, incandescent lamps or other approved loads up to the total rating of the system. The system shall automatically protect itself against damage from overloads and short circuits while powered from either utility AC or during emergency inverter operation.

Under inverter emergency operations, output voltage shall be within ±10% of nominal at full load for the specified discharge period; and the frequency shall be 60.0 Hz ± 1 Hz.

Continued on Next Page

CHLORIDE SYSTEMS

TYPE: _____

CATALOG NO.: _____

PowerScape, 150 VA

Suggested Specification, continued

During inverter emergency operation, the system efficiency shall not be less than 70%. The system shall use mechanical fans in the electronic circuit compartment. The AC output to the load shall be isolated from the utility input during inverter emergency operation. Under emergency mode conditions, the Chloride PowerScape unit is powered by sealed nickel cadmium batteries. The nickel cadmium batteries are encased in a high impact, heat resistant, permanently sealed plastic cover. The batteries will operate entirely unattended and should require no additional maintenance for a period of 10 years. These nickel cadmium batteries are maintained in their fully charged condition whenever the utility power is available. This is done utilizing a solid state, constant current charger that is capable of restoring the batteries to capacity within a maximum of 24 hours after restoration of utility power. The charger power is obtained from the main power input. The charger has a minimum efficiency rating of 90%. A low voltage disconnect circuit designed to reduce battery discharge during extended power outages, shall monitor the battery voltage and disconnect the inverter when battery voltage drops to approximately 85% of nominal voltage.

System indicators and controls shall consist of local status panel indicators, remote status panel (ceiling mount only), fused AC output, and automatic battery monitor with alarm. System may be configured with the Light Switch Option which causes a switched circuit to be energized in a power failure condition, overriding the manual light switch.

Suggested Applications

Hazardous Locations

Installing the PowerScape unit in a safe environment allows you to supply automatically backed up AC power to hazardous location/special requirement fixtures. Designate a specific lighting circuit to provide the required illumination in case of power outage. Install the PowerScape unit providing backup power in this circuit and obtain dual utilization of the designated fixtures as both normal and emergency lighting fixtures. The PowerScape utilizes nominal line voltage eliminating voltage drop constrains of low voltage DC fixtures and the added expense of special classification fixtures that function only as emergency lighting devices. Some examples are:

Painting Facilities
Clean Rooms
Chemical Operations
Waste Water Treatment Plans

Special Requirement Locations

Installing the PowerScape unit in a controlled or hidden environment allows you to supply automatically backed up AC power to special requirement fixtures. Designate a specific lighting circuit to provide the required illumination in case of power outage. Install the PowerScape unit providing backup power in this circuit and obtain dual utilization of the designated fixtures as both normal and emergency lighting fixtures. The PowerScape utilizes nominal line voltage eliminating voltage drop constraints of low voltage DC fixtures allowing remote installation for environmental considerations. Some examples are:

Food Processing
Walk-in Cooler/Freezers
Weatherproof/Exterior Egress Routes
Schools
Strip Malls

Decorative Locations

Installing the PowerScape unit in a hidden environment allows you to supply automatically backed up AC power to aesthetically pleasing fixtures. Designate a specific lighting circuit to provide the required illumination in case of power outage. Install the PowerScape unit remotely providing backup power in this circuit and obtain dual utilization of the designated fixtures as both normal and emergency lighting fixtures. The PowerScape utilizes nominal line voltage eliminating voltage drop constraints of low voltage DC fixtures or the unsightly installation of emergency lighting battery packs. Some examples are:

Decorative/Architectural Fixtures in Conference Rooms
Decorative/Architectural Fixtures in Lobbies

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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