SP 1250DLE-MC

CLEAN POWER FOR THE NEXT GENERATION

Designed for today's 48 V low-voltage ATC traffic cabinets, this digital UPS provides both multiple voltage outputs to support a variety of needs. This digital UPS is designed to be plug and play with Swarco/McCain cabinets and supports other manufacturers' low-voltage cabinets. The SP 1250DLE is designed for temperature extremes of -40˚C to +74˚C (-40˚F to +165˚F) and supports 85-155 VAC or 48 VDC input voltages, as well as generator input. The unit provides a 120 VAC output as well as 48VDC and 24VDC outputs, rated up to a maximum of 875 watts for all outputs. For customers who do not yet require DC support but anticipate a future need, the SP 1250DLE can be ordered without DC output and later upgraded in the field.

LOW VOLTAGE UPS

ELECTRICAL INPUT

INPUT #1

Voltage
85 VAC - 155 VAC

Frequency
60 Hz ±5 Hz

Power Factor
Power factor corrected

INPUT #2

Voltage
48 VCD nominal battery pack

Isolation
Thru-neutral design

ELECTRICAL OUTPUTS

OUTPUTS - GENERAL

Total Power
875 W maximum all outputs combined

Overload
120% for 10 mins

Isolation
AC, 48 VDC and 24/12 VDC isolated from each other

UPS Protection
- Input and output short circuit
- Input and output overload

OUTPUT #1 - AC

Voltage
120 VAC ±3%

Frequency
60 Hz

VA / Power
1250 VA / 875 W

THD
5% maximum

Isolation
Thru-neutral design

UPS Protection
- Input and output short circuit
- Input and output overload

OUTPUT #2A - DC

Voltage
48 VDC ±3%

Current
8 A

Power
400 W

OUTPUT #2B - DC

Voltage
24 VDC ±3%

Current
6 A

Power
144 W

OUTPUT #2B - DC

Voltage
12 VDC ±3%

Current
6 A

Power
72 W

ENVIRONMENTAL

Temperature
-40°C to +74°C (-40°F to +165°F)

Humidity
95% maximum, non-condensing

Altitude
-1000 to 10,000 ft

Cooling
- Forced air
- Removable filter
- Reversible direction

DESIGN

Standard Features
- Power factor corrected input
- Fully isolated DC output stages
- Wide AC input operating range without battery use
- True on-line continuous power
- High inrush current capability

Typical Recharge Time (to 85% Capacity @ 100% Load)
- 3 to 5 hrs with SP 48SB battery pack
- 48 to 72 hrs with Outpost or Garrison batteries

CONTROL AND INDICATORS

Visual Indicators
- AC input
- DC input
- Battery status
- Load status
- Fault indicators

Switches / Control Panel
- System power
- Cold start
- Fault silence
- Battery test
- AC output
- DC output

Audible Alarms
For fault conditions

Intelligent Computer Interfaces
- USB 2.0 and RS232 serial data interface
- Full interactive remote computer monitoring and control of most features including load control (requires optional monitoring software)

OPTIONS

SNMP Interface
Allows full control and monitoring interface over network connection. Compatible with HP Openview™, IBM Netview™, CA Unicenter TNG™, and other major software offerings.