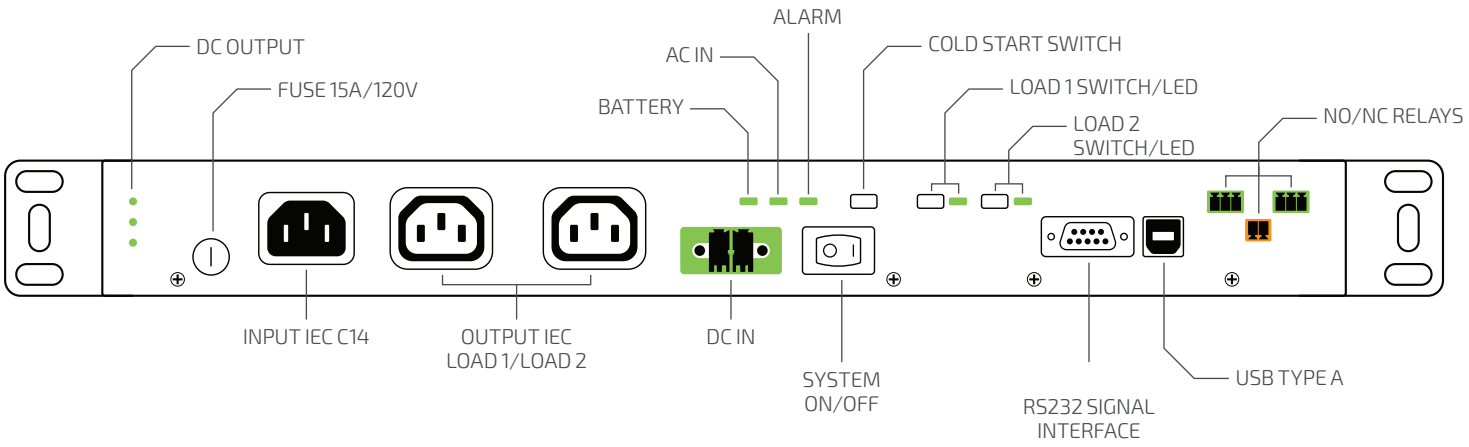
SP 1250DLE

Clean power for the next generation

Overview

Our newest digital UPS is designed for ITS and traffic applications, including the new low-voltage ATC cabinets. It's the only double conversion, true on-line UPS with both AC and DC power inputs and outputs, and it comes in a compact 1U rack-mounted package. 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 and 48 VDC, 24 VDC, and 12 VDC outputs, up to an 875 watt maximum for all outputs combined. 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.



Features

- Space saving design: 1U vertical rack space
- On-line, conditioned, regenerated power for cabinet equipment protection
- Operates in extreme environments from -40°C to +74°C (-40°F to +165°F)
- Power quality analytical data recorded and exportable to Excel in CSV format
- USB connectivity with monitoring center or other equipment
- Power factor corrected for reliable and safe power

Specifications

Electrical Input	
Input #1	
Voltage	85 - 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

Electrical Outputs (continued)	
Output #2C - 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.

REAR VIEW

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