



SP 1250LE

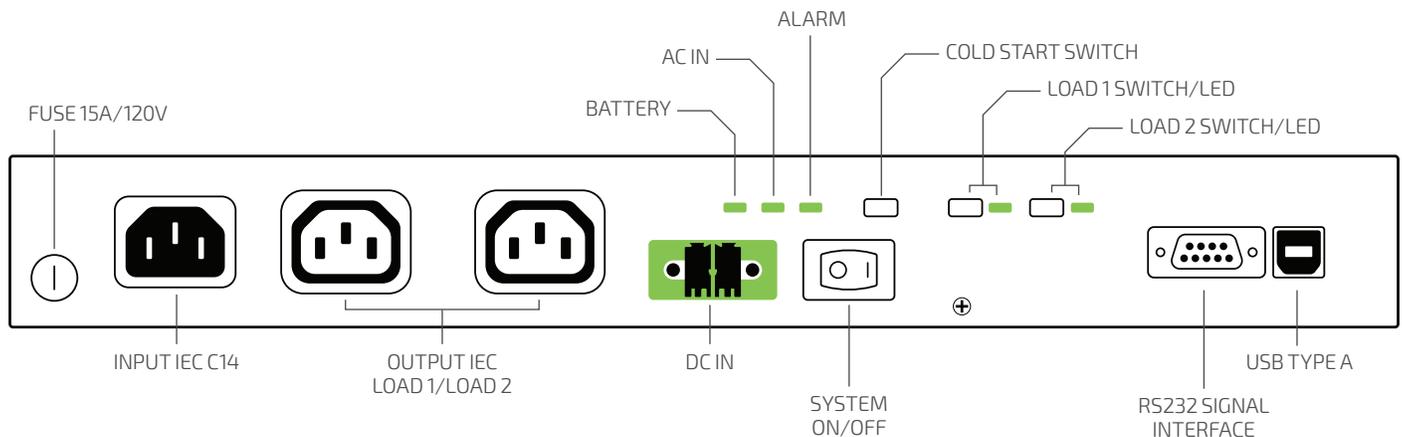
Space saving designed UPS



Overview

The SP 1250LE universal power conditioner is a power factor corrected 1250 VA / 875 W device designed to enhance utility power or repair failing utility power in traffic, ITS or security cabinets. Clary's SP 1250LE can also operate as an on-line, dual conversion UPS when configured with the optional battery pack, which extends the reliability of the cabinet when the utility power fails (black out) or falters (brownout). The SP 1250LE system also protects the cabinet by insuring that no harmful power artifacts arrive

at the cabinet to destroy or degrade the cabinet electronics. Clary's industry proven on-line, true sine wave power protects the cabinet 100% of the time to insure reliable and continuous error-free operation. The SP 1250LE operates in extreme environments from -40°C to +74°C (-40°F to 165°F), and communicates via USB with monitoring center or other equipment. Power quality analytical data is recorded and exportable to Excel in CSV format.



Features

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





Specifications

Electrical Input

Voltage	120 VAC (85 VAC to 155 VAC before going to battery, when configured with batteries)
Frequency	40 Hz to 70 Hz

Electrical Output

Voltage	120 VAC \pm 3%
Frequency	50 Hz or 60 Hz
Current	10.4 A
Rating	1250 VA / 875 W
Crest Factor Ratio	<ul style="list-style-type: none"> · 50% load up to 4.8:1 · 75% load up to 3.2:1 · 100% load up to 2.4:1
THD	3.00%
Dynamic Response	\pm 4% for 100% step load change 0.5 ms recovery time
Overload	<ul style="list-style-type: none"> · 110% for 10 sec · 200% for 50 ms
UPS Protection	<ul style="list-style-type: none"> · Input and output short circuit · Input and output overload · Excessive battery discharge

Environmental

Temperature	-40°C to +74°C (-40°F to +165°F)
Humidity	0% to 95% non-condensing
Altitude	Sea level to 10,000 ft

Mechanical

Input	IEC-320, C14 male connector
Outputs	IEC-320, C13 female receptacles (2)
Dimensions (H x W x D)	1.7" x 15.25" x 8.5" (1U)
Weight	8 lb
Cooling	<ul style="list-style-type: none"> · Low velocity · Forced air

Design

Standard Features	<ul style="list-style-type: none"> · Power factor corrected input · Fully regenerative · True on-line continuous power · Low distortion sine wave output · Designed for non-linear loads · Extended brownout protection
Certifications	<ul style="list-style-type: none"> · FCC Class A · IEEE 587/ANSI C62.4 · IEC 555 @ 120 VA · NEMA
Typical Recharge Time (to 85% Capacity @ 100% Load)	<ul style="list-style-type: none"> · 3 to 5 hrs with SP 48SB battery pack · 48 to 72 hrs with Outpost or Garrison batteries

Control and Indicators

Visual Indicators	<ul style="list-style-type: none"> · Battery status · AC output · AC input · Alarm
Switches / Control Panel	<ul style="list-style-type: none"> · System power · Cold start · Load I · Load II
Audible Alarms	<ul style="list-style-type: none"> · Utility interrupt · Inverter failure · Overload · Low battery
Intelligent Computer Interfaces	1 each DB9-F (RS232 and signal interface pins) and 1 each USB

Options

External Battery Pack	SP 48SB battery pack. Compact design. Ideal for runtime requirements less than an hour.
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