

SP Series

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Uninterruptible Power for IT or Security Applications



SP1250LE Universal Power Conditioner / UPS
Featuring: Online, Dual Conversion Technology

The SP1250LE and optional Outpost™ Series batteries are designed for indoor/outdoor use and will operate in extreme temperature environments of -40°C to +74°C (-40°F to +165°F).

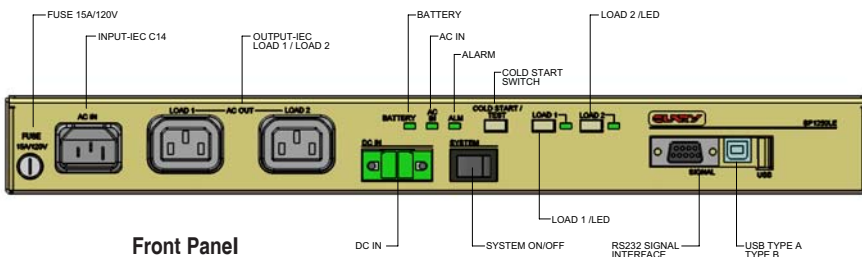


SP1250LE

The **SP1250LE** Universal Power Conditioner is a Power Factor Corrected 875 watt, 1250VA device designed to enhance utility power or repair failing utility power in IT or Security Cabinets. The **SP1250LE** can also operate as an On-line, Dual Conversion, UPS when the optional battery pack is configured. This optional feature can extend the reliability of the cabinet when the utility power fails (black out) or falters (brown out). The **SP1250LE** 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-sinewave power protects the cabinet 100% of the time to insure reliable and continuous error free operation.

Featuring:

- Provides ON-LINE, conditioned re-manufactured power for cabinet equipment protection.
- USB Ports- Communicates with monitoring center or other equipment via USB or optional USB adapters.
- Available Models:
SP1250LE
- Power Factor Corrected for reliable, safe power.



Front Panel

Where POWER is a way of life

Uninterruptible Power for IT or Security Applications

CLARY
 The Continuous Power Company™



SP1250LE Specifications

ELECTRICAL

Input

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

Output

Voltage	120 VAC \pm 3%
Frequency	50 or 60 Hz \pm .25% (Software Selectable)
Current	10.0 (875W / 1250VA)
Crest Factor Ratio (Non-linear Load and < 5% THD) Typical	@50% Load Up to 4.8:1 @75% Load Up to 3.2:1 @100% Load Up to 2.4:1
Total Harmonic Distortion (THD)	3.0%
Dynamic Response	\pm 4% for 100% Step Load Change, 0.5 ms Recovery Time
Overload	110% for 10 sec; 200% for 50 Milliseconds
UPS Protection	Input and Output Short Circuit, Input and Output Overload, Excessive Battery Discharge

MECHANICAL

Input	IEC, C14 male connector
Outputs	IEC, C13 female receptacle
Overall Dimensions	15.25" W x 8.5" D x 1.7" H

ENVIRONMENTAL

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

OPTIONS

Battery Chassis	External Battery Chassis to support UPS capability. Provides 3 minutes of back-up time at 100% load.
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DESIGN

Standard Features	Power Factor Corrected Input; Fully Regenerative; True On-Line Continuous Power; Low Distortion Sinewave Output; Designed for Non-linear Loads; Extended Brownout Protection
Specifications	Meets FCC Class A, IEEE 587/ANSI C62.41, IEC 555 @ 120 VAC and NEMA Standards
MTBF	Inverter: > 100,000 hrs System Calculated from Component Specifications
Typical Recharge Time to 85% Capacity @ 100% Load	3 to 5 hrs (with extended battery option)

CONTROLS AND INDICATORS

Visual Indicators	Battery Status; AC Output; AC Input; Alarm
Switches	System Power; Cold start; Load 1 & 2
Control Switches	Power On / Off; Cold Start, Load
Audible Alarms	Utility Interrupt; Inverter Failure; Overload; Low Battery; Over Temperature
Intelligent Computer Interfaces	1 each DB9-F, RS232 Signal Interface and 1 each USB

Preliminary Specification subject to change without prior notice.



SP48SB Battery Chassis



Power Conditioning for IT Cabinet Applications

Model	VA	Watts	Input Current (A)	Output Current (A)	Backup Time* 100% / 50% Load	Unit Weight (lbs)	Rackmount H x W x D (in)
SP1250LE	1250	875	8.8	10.0	2.0 min. / 4.0 min. (SP48SB)	8.0	1.7 x 15.25 x 8.5
SP48SB	N/A	N/A	N/A	15.0	2.0 min. / 4.0 min.	8.0	1.7 x 11 x 8.5

CLARY
The Continuous Power Company™

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