



# SP 1250XLE



The SP1250 XLE is a full-featured on-line dual conversion UPS rated for 1250 VA / 875 W that comes in a rack-mounted 1U form factor. Clary's unique technology conditions utility power and protects critical and valuable cabinet equipment from a broad range of power disturbances. The SP1250 XLE provides extended run time when configured with an optional lithium battery pack or a 4 battery AGM system. The SP1250 XLE

includes three contact closures, built-in SNMP communications and an OLED display. (One contact closure is a low voltage DC output for powering an LED "On-battery" indicator light outside the cabinet.) The 4-line OLED display provides an event log, input/output status, battery status, temperature, SNMP IP address and firmware version. The SP1250 XLE is designed for temperatures ranging from -40° C to 74° C.

## ELECTRICAL INPUT

### Voltage

120 VAC (85 VAC to 155 VAC before going to battery, when configured with batteries)

### Frequency

50 Hz or 60 Hz

## ELECTRICAL OUTPUT

### Voltage

120 VAC ±3%

### THD

3.00%

### Frequency

50 Hz or 60 Hz

### Dynamic Response

±4% for 100% step load change  
0.5 ms recovery time

### Current

10.4 A

### Overload

· 110% for 10 sec  
· 200% for 50 ms

### Rating

1250 VA / 875 W

### Crest Factor Ratio

· 50% load up to 4.8:1  
· 75% load up to 3.2:1  
· 100% load up to 2.4:1

### UPS Protection

· Input and output short circuit  
· Input and output overload  
· Excessive battery discharge

## ENVIRONMENTAL

### Temperature

-40°C to +74°C (-40°F to +165°F)

### Altitude

Sea level to 10,000 ft

### Humidity

0% to 95% non-condensing

## MECHANICAL

### Input

IEC-320, C14 male connector

### Cooling

· Low velocity  
· Forced air  
· Side vented

### Outputs

IEC-320, C13 female receptacle

### Mounting

· 4-way brackets for 19" rack (2)

### Dimensions (H x W x D)

1.75" x 16.75" x 12.33" (1U)

### Weight

10 lbs

## DESIGN

### Standard Features

- Power factor corrected input
- Fully regenerative
- True on-line continuous power
- Low distortion sine wave output
- Designed for non-linear loads
- Extended brownout protection

### Typical Recharge Time

(to 85% Capacity @ 100% Load)

- 30 hours for SP48LI x2 battery pack
- 48 to 72 hrs with Outpost or Garrison batteries

### Certifications

- FCC Class A
- IEEE 587/ANSI C62.4
- IEC 555 @ 120 VA
- NEMA

## CONTROL AND INDICATORS

### User Interface

Backlit OLED display panel with current and historical operational status of power system, battery system, output load, alarm states, event logs, and configurations.

### Audible Alarms

- Utility interrupt
- Inverter failure
- Overload
- Low battery

### Switches / Control Panel

- System power
- Cold start
- Load

### Intelligent Computer Interfaces

1 each DB9-F (RS232 and signal interface pins) and 1 each USB Type B

### SNMP Interface

Allows full control and monitoring interface over network connection. Compatible with major software offerings. Includes RJ-45 (Network), RJ-45 (EMD), USB-A, and USB-mini connectors.

### Contact Closures

- 3 provided
- C3: DC 12V 5W

## OPTIONS

### External Battery Pack

SP48LI x2 rack mounted battery pack.  
Provides up to 4 hours runtime at 200 W