



SP Commander 560

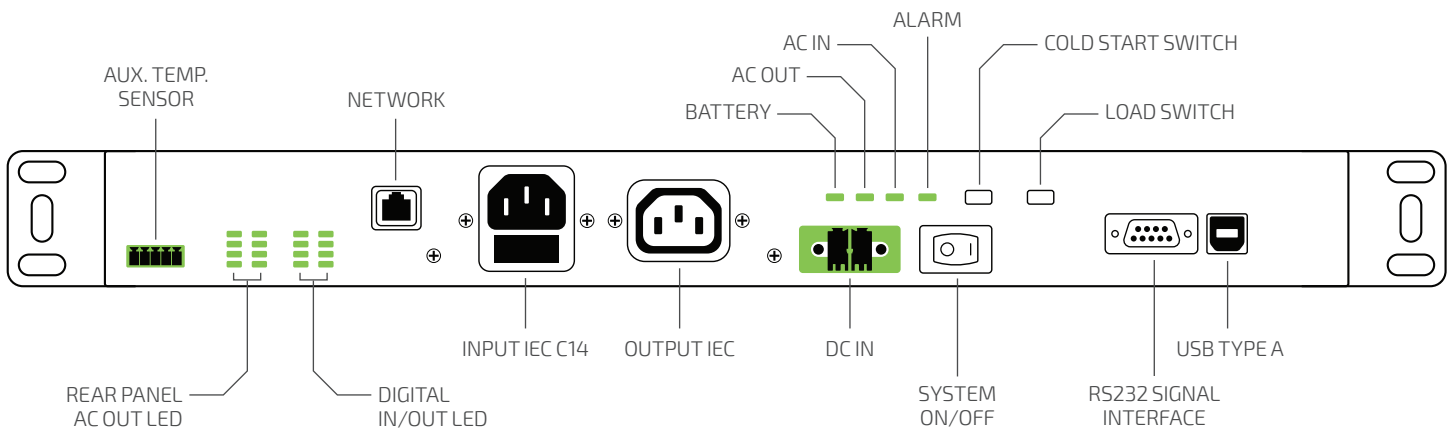
A new breed of UPS for ITS applications



Overview

Here is the only UPS that puts you in full control of your system with 8 IP-addressable 15 A 120 V power outlets. Not only does the SP Commander 560 provide continuous on-line power conditioning that protects your ITS infrastructure against surges, sags, and spikes,

it reduces maintenance costs as well by monitoring critical equipment and signaling the operations center when abnormalities occur. Remote control of power outlets allows rebooting equipment which can reduce unnecessary field inspection and service.



Features

- Space saving design: 1U vertical rack space
- On-line, conditioned, regenerated power for cabinet equipment protection
- SNMP connectivity with monitoring center or other equipment
- Power factor corrected for reliable and safe power
- Operates in extreme environments from -40°C to +74°C (-40°F to +165°F)
- 4 digital inputs
- 4 contact closures for digital output
- Temperature sensor
- Digital input and output indicators





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	Software selectable to sync with input utility or run at crystal controlled 50/60 Hz \pm 1 Hz
Current	4.8 A
Rating	560 VA / 400 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

Front Panel Input	IEC-320, C14 male connector
Front Panel Output	IEC-320, C13 female receptacles
Rear Panel Output	NEMA 5-15R
Dimensions (H x W x D)	1.75" x 16.75" x 12.25" (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
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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REAR VIEW