

SP Captain

A NEW BREED OF UPS
FOR ITS APPLICATIONS

Here is the only UPS that puts you in full control of your traffic system. With the SP Captain you can remotely and securely reset power on cabinet equipment to reboot or shed devices. Eight IP-addressable 15 A 120 V receptacles can be individually controlled remotely from your office of traffic management center. The SP Captain is the only combined UPS and IP-addressable PDU that is NEMA rated for traffic applications. Remote control of individual devices in the cabinet provides long-run savings by

permitting trouble-shooting without the expense of field service. The 1250VA / 875 Watt system also provides continuous online power conditioning that protects your ITS infrastructure against surges, sags, and spikes.



Rear view



CONTROL 8 DEVICES REMOTELY

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 $\pm 3\%$

THD

3.00%

Frequency

Software selectable to sync with input utility or run at crystal controlled 50/60 Hz ± 1 Hz

Dynamic Response

$\pm 4\%$ for 100% step load change
0.5 ms recovery time

Current

4.8 A

Overload

- 110% for 10 sec
- 200% for 50 ms

Rating

560 VA / 400 W

UPS Protection

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

Crest Factor Ratio

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

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

Front Panel Input

IEC-320, C14 male connector

Weight

8 lb

Front Panel Output

IEC-320, C13 female receptacles

Cooling

- Low velocity
- Forced air

Rear Panel Output

NEMA 5-15R

Dimensions (H x W x D)

1.75" x 16.75" x 12.25" (1U)

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)

- 3 to 5 hrs with SP 48SB 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

Visual Indicators

- Battery status
- AC output
- AC input
- Alarm

Audible Alarms

- Utility interrupt
- Inverter failure
- Overload
- Low battery

Switches / Control Panel

- System power
- Cold start
- Load I

Intelligent Computer Interfaces

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