

SP-3001BNC-0C-CB SynLink Smart PDU

3 Phase Wye Switched (120V/208V output)

Our Power Distribution Units are designed to provide reliable and efficient power distribution to businesses that need to power a large number of devices. With 36 independently monitored and switchable outlets, our PDUs offer power monitoring at both the inlet and circuit level, as well as power consumption at the outlet level. The PDUs come in a 3-Phase Wye configuration with 18 outlets outputting 208V and the other 18 outlets outputting 120V. This allows for easy and flexible power distribution to devices with different voltage requirements. To make power management more convenient, each unit comes with a SynLink Smart Control Module that allows you to remotely manage your Power Distribution using industry-standard Network Protocols such as SNMP, Web, HTTP(s), SSH, Telnet, Serial, and more. This powerful tool provides easy power management and monitoring from anywhere in the world.

Smart PDU Features

- Network Protocols: SSH, Telnet, HTTP(S), SNMP, SMTP, and more...
- Inlet Power Monitoring: Current RMS (A)
- Programmable: Custom event triggers and actions, task scheduling, custom alerts, custom event logging.
- Out-of-Band: USB-Serial Port (FTDI chip set), RS232 Serial Port, SynLink Expansion Port.
- Easy Setup: Front Panel LCD interface for rapid deployment.
- Sensors Supported: Temperature & humidity.

Additional Features

- Inlet Current RMS Measurements
- Individual Outlet Switching
- UL/CSA 62368-1 : 2019 Third Edition Compliant

What's Included

- Attached NEMA L21-20P Plug
- 0U Mounting Bracket with M4 Screws
- 0U Toolless Button Kit
- Quick Start Guide Reference Pamphlet

Key Stats

Form Factor: 0U
Max Input Current: 20A (16A)
Power Capacity: 5.7kVA
Inlet Voltage(s): 120V,208V
Outlets: 36

Applications

- Mission critical remote installations.
- IT server racks.
- Datacenters
- Production automation.
- Test automation.
- Engineering labs.
- R&D facilities.

Features



Outlet Current Meter

Current (A) is measured at each outlet



Relay Health Monitor

Proprietary firmware keeps track of key relay health indicators to alert the user of potential failures. Additional relay failure detection circuit allows for alerts when a failure occurs.



Outlet Switching

Each outlet is equipped with a relay to allow for manual or automatic switching. Sequential outlet sequencing built-in to minimize inrush current.



Circuit Breaker

20A Circuit Breaker with ON/OFF switch



Input Power Measurements

Current Measurements at Input



Ethernet Port 10/100Mbps

10/100 Base-T Ethernet port. Supports: SSH, Web Server, SNMP, SMTP, NTP, Syslog, HTTP/HTTPS, Telnet, IP4



Hot-Swappable Control Module

PDU's with this feature can hot swap control modules for upgrade or service while maintaining power to the outlets.



Local LCD Display

Color 1.8" TFTLCD or 2x8 Character LCD display Displays PDU metrics, Control and configure settings, Alert notifications



Serial Port

Serial port for access to PDU configuration and data



Environment Sensor Port

Sensors supported: Temp/Humidity



SynLink Ports

Daisy chain multiple PDU's to reduce network port footprint in the datacenter.

Specifications

| Input | |
|---------------------------------|-----------------|
| Plug Type | NEMA L21-20P |
| Input Voltage | 120V,208V |
| Max Input Current (Derated) | 20A (16A) |
| Phase | 3 |
| Input Energy/Power Measurements | Current RMS (A) |

| Output | |
|----------------------------|-------------------------|
| Outlet Receptacles | C13(18) + NEMA5-20R(18) |
| Total Number of Outlets | 36 |
| Power Capacity | 5.7kVA |
| Overload Protection | 3 x 2 Pole CBs |
| Outlet Switching | Included |
| Outlet Current Measurement | None |

| Physical | |
|-----------------------------|---------------------------|
| Form Factor | 0U |
| Dimensions | 70.00" x 2.20" x 2.76" |
| Maximum Operating Elevation | 0-10,000 ft / 0 - 3,000 m |
| Operating Temperature Range | 0C to +65C |
| Relative Humidity | 5-95% (non-condensing) |

| Access & Communications | |
|----------------------------|--|
| Networking Protocols | SNMP V1,2,3, HTTP(S) API, Web Interface, SMTP, Syslog, Telnet, SSH, Ping, DHCP, NTP |
| Serial Communication (OOB) | RJ45 RS232 Serial and USB-Serial (FTDI) |
| Ports | 1 x USB 2.0 1 x USB-Serial (FTDI) 2 x Sensor Ports 1 x 10/100 BaseT Ethernet 1 x RJ45 RS232 Serial |
| Front Panel LCD | Allow/Restrict users to manage networking & outlet configuration. |
| Firmware Upgrade | Updates with an active internet connection, remotely with web GUI, locally with USB Flash Drive |