SP-3001ANC-0B SynLink Smart PDU

3 Phase Delta Switched Pro+

Reliably distribute power to 36x independently monitored and switchable outlets in a 3-Phase Delta configuration. These PDUs provide energy monitoring at the inlet and circuit level as well as power consumption at the outlet level. Alternating phase groups helps easily balance loads. 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. See the Datasheet for all features supported and make sure to test our live web demo today!

Smart PDU Features

- Network Protocols: SSH, Telnet, HTTP(S), SNMP, SMTP, and more...
- Inlet Energy Monitoring: current (A), voltage (V), line frequency (Hz), active power (W), apparent power (VA), power factor, energy accumulation (kWh).
- 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 Energy Measurements with kWH, amperage, voltage measurements, etc..
- Individual Outlet Switching
- Individual Outlet Current Measurements
- Relay Health Monitoring
- 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: 5.8 kVA

Inlet Voltage(s): 208V

Outlets: 36

Applications

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

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Features

Inlet Energy Monitor
Energy Metrics: Voltage (V), Current (A), Active Power (W), Line Frequency, Active Power, Active Energy, Reactive Energy, Power Factor

Outlet Current Meter
Current (A) is measured at each outlet

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.

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.

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
PDUs 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 PDUs to reduce network port footprint in the datacenter.

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Specifications

Input

Plug Type	NEMA L21-20P
Input Voltage	208V
Max Input Current (Derated)	20A (16A)
Phase	3
Input Energy/Power Measurements	Kilowatt hours (kWh), Current RMS (A), Line Frequency (Hz), Voltage RMS (V), Active Power (W), Apparent Power (VA), Power Factor

Output

Outlet Receptacles	C13(30) + C19(6)
Total Number of Outlets	36
Power Capacity	5.8 kVA
Overload Protection	None
Outlet Switching	Included
Outlet Current Measurement	Included

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

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