

# SP-4001AIE-0B SynLink Smart PDU

## 0U Single Phase Switched Pro+

Real-time inlet-level energy monitoring and outlet-level power metering with 1% accuracy. Remotely switch 24x to 36x individual outlets for complete control of your equipment. Take advantage of toolless button mount for easy installation. 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

- Detachable NEMA 5-15P to C19 Cord (6ft)
- 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: 1.9kVA,3.3kVA,3.8 kVA

Inlet Voltage(s): 120V,208V,240V

# Outlets: 36

### Applications

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

## 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

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	IEC-320 C20
Input Voltage	120V,208V,240V
Max Input Current (Derated)	20A (16A)
Phase	1
Input Energy/Power Measurements	Kilowatt hours (kWh), Current RMS (A), Line Frequency (Hz), Voltage RMS (V), Active Power (W), Apparent Power (VA), Power Factor

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)

Output	
Outlet Receptacles	C13(30) + C19(6)
Total Number of Outlets	36
Power Capacity	1.9kVA,3.3kVA,3.8 kVA
Overload Protection	None
Outlet Switching	Included
Outlet Current Measurement	Included

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