



Synaccess

SynLink PDU Series Brochure



Intelligent Rack PDUs

Introducing the most versatile intelligent PDU on the market. With SynLink PDUs, you can easily manage your power remotely, and you'll be assured of the highest level of reliability and security.

Enterprise IT Equipment Racks

Datacenters, Colocation, Network/Telco rooms.

Bitcoin Mining

Automated ASIC miner recovery, downed equipment notification, high power capacity low-cost switching

Audiovisual Solutions

Automated recovery of smart device lock-up, power management of AV equipment

Distributed Remote Installations

Kiosks, ATM machines, Digital Signage, Multi-Office Management.

Engineering/R&D

Remote UART access, outlet-level power metering, power cycle testing. REST API.

Mission Critical

Out-of-band communications, Redundant access methods, WIFI access, Cellular access, serial port access

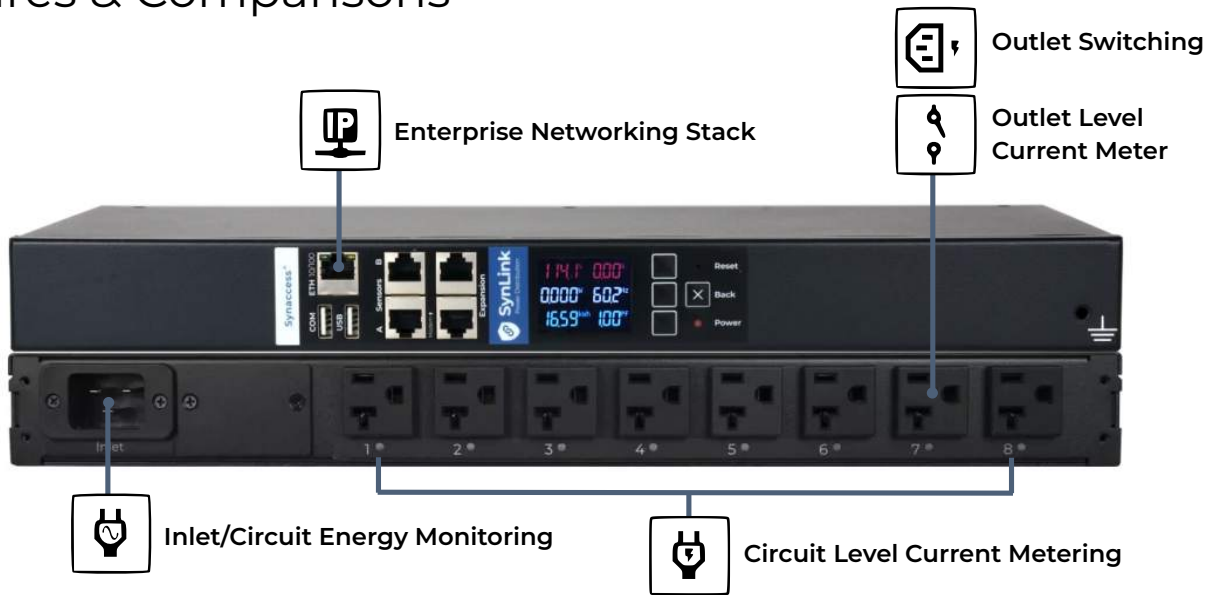
Energy Billback Applications







Colocation, shared resource planning, EV charging



SynLink Power Distribution Series

Features & Comparisons



	Switched Pro+	Switched	Monitored
 Networking SNMP, DCIP, HTTP(S), SMTP, Syslog, Serial, Telnet, SSH< PING, NTP, TCP/IP, DNS, DHCP, Rest API	✓	✓	✓
 Circuit-Level Current Meter Accurate to 0.01A	✓	✓	✓
 Outlet Switching Relay Health Monitor uses dedicated voltage sensors for each relay	✓	✓	
 Circuit & Inlet-Level Energy Monitor Energy accumulation kWh, Apparent Power VA, Active Power W, Power Factor, Line Frequency, Voltage V, Current A	✓		✓
 Outlet-Level Power Meter Apparent Power VA, Current RMS A	✓		
 Automatic Transfer Switch Primary and secondary sources add power redundancy for single corded equipment.	Optional	Optional	Optional

Switched Pro+

Individually switched outlets with energy (KWH) meters throughout the PDU. The most advanced PDU in the series with outlet-level power measurements (Amps, VA).



Compact Switched Pro+ PDU

Single Phase, 100-240VAC,
4 Outlets, ≤ 3.8 kVA



1U Switched Pro+ PDU

Single Phase, 100-240VAC, 8 Outlets, ≤ 3.8 kVA
Optional Features: Auto Transfer Switch (ATS)



2U Switched Pro+ PDU

Single Phase, 100-240VAC, 16 Outlets, ≤ 7.4 kVA
Optional Features: Auto Transfer Switch (ATS),
Dual Circuit (2-in-1)

0U Switched Pro+ PDU

Single Phase, Three Phase Delta/Wye,
100-240 VAC, 24-36 Outlets, ≤ 12.6 kVA
Optional Single Phase Feature: Auto
Transfer Switch (ATS), Dual Circuit (2-in-1)



Switched

Individually switched outlets with current (A) meters on each circuit.



1U Switched PDU

Single Phase, 100-240VAC, 8 Outlets, ≤ 3.8 kVA
Optional Features: Auto Transfer Switch (ATS),
Dual Circuit (2-in-1)

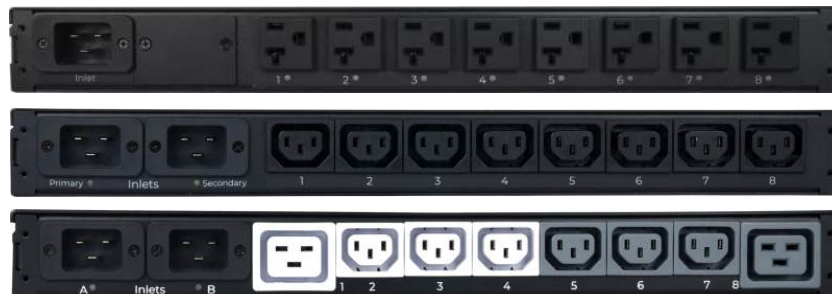


2U Switched PDU

Single Phase, 100-240VAC, 16 Outlets, ≤ 5.8 kVA
Optional Features: Auto Transfer Switch (ATS),
Dual Circuit (2-in-1)

Standard Inlet Switched PDU

Available with NEMA 5-20R, IEC-320 C13, and/or IEC-320 C19 Receptacles.



Automatic Transfer Switch (ATS) Switched PDU

Available with NEMA 5-20R, IEC-320 C13, and/or IEC-320 C19 Receptacles. Excels in mission critical applications.

Dual Circuit (2-in-1) Switched PDU

Available with NEMA 5-20R, IEC-320 C13, and/or IEC-320 C19 Receptacles. Excels in high power capacity applications

Monitored

Switchless design for ultimate reliability. Billing-grade energy (KWH) meters through the PDU perfect for bill-back applications.



1U Monitored PDU

Single Phase, 100-240VAC, 8 Outlets, ≤ 3.8 kVA
Optional Features: Auto Transfer Switch (ATS),
Dual Circuit (2-in-1)



2U Monitored PDU

Single Phase, 100-240VAC, 16 Outlets, ≤ 7.4 kVA
Optional Features: Auto Transfer Switch (ATS),
Dual Circuit (2-in-1)

0U Monitored PDU

Single Phase, Three Phase Delta/Wye,
100-240 VAC, 24-36 Outlets, ≤ 12.6 kVA
Optional Single Phase Feature: Auto
Transfer Switch (ATS), Dual Circuit (2-in-1)



SynLink Control Module

One Control Module, Unlimited Possibilities



1. USB-Serial (FTDI)

Serial port to access command line to control outlets, read sensors and configure device locally.

2. USB 2.0

Expands PDU capabilities via simple plug-and-play accessories such as USB flash drive, console server, ethernet interface, Wifi, 4G, and more.

3. Sensor Port A OR Serial Port (RS232)

Multi-functional port. Configured as an environment sensor port by default. Temperature, humidity, and more sensors coming soon. Can be dynamically changed to an RS-232 port for out-of-band control.

4. Expansion Ports

Expansion ports provide limitless capabilities for future upgrades.

5. Color LCD Display

View outlet status, metering data, sensor info, and network settings from a local display. Multiple screensaver options provides quick system status summary. More options available via fw upgrade.

6. LCD Buttons

Dynamic button functionality enables outlet switching, setting IP configuration, and menu navigation with only four buttons.

7. Power Status LED

Always-on power indicator LED.

8. Ethernet Port 10/100 Base T

Network port for remote management.

9. Dedicated Sensor Port B

Additional sensor port for attaching a second sensor. Cable length up to 50ft.

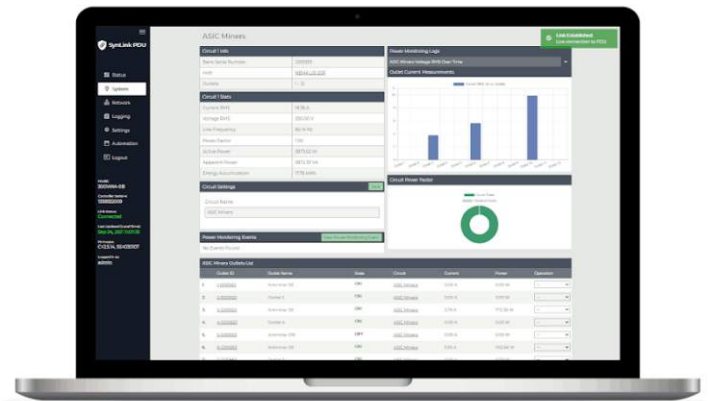
10. Reset Pin

Recessed reset pin to restart controller processes. Reset does not affect the state of the outlets.

Built-In Web Application

Lightning fast UI

SynLink PDUs host a built-in web application with a modern and ultra fast interface. The web app is best used to monitor anomalies in equipment power draw, environment data trends, and aggregated energy consumption with historical charts and live measurements. Additionally, the versatile Event/Action tool provides limitless possibilities for automation.



Event/Action Automation

Actively monitors power use, network health of other devices, temperature and immediately takes action. (Email, SNMP, outlet switching, HTTP Web Hooks and more)



AutoPing Reboot

Use Auto-Ping to notify you when your equipment goes down and auto recover unresponsive devices with built in relays.



Scheduling

Schedule power loads on a per-outlet basis with Switched PDUs. Schedule re-occurring web hooks with power consumption data.



Set Power Thresholds

Detect voltage dips. Configure load shedding to reduce risk of outages. SynLink PDUs come with Device Detection. Detects when devices are plugged in. Alerts when devices stop working.



Outlet Management

Turn on and off outlets from a modern web app. Use the Web API for easy scripting and integration to other systems. Trigger outlet switching on event/action triggers.



User Roles & Permissions

Create user roles with limited permissions to select outlets and circuits. Assign roles to individual users.



kWh Monitoring & Charts

Monitor kWh, and analyze energy consumption trends with historical data graphs.



Link Established

Visit <https://synaccess.com/demo> for a live demo of these web interfaces hosted from a real PDU.

2

Three Phase Power Solutions

Excel in enterprise three phase applications

Reliably distribute power to independently monitored and switchable outlets in 3-Phase Delta/Wye configurations. Low profile branch circuit breakers UL-489 are available with select configurations. All metal steel enclosures provide robust industrial resilience. Use our toolless button mounting kit for easy installation.

Switched Pro+ ¹

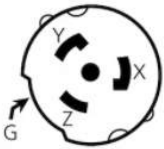
- Up to 60A, 17.3 kW capacity
- Up to 54 individually switched outlets
- Individually metered outlets

Monitored ²

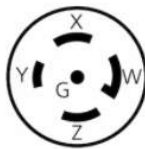
- Alternating Phase Groups for easier load balancing
- Thin streamline enclosure design

Available Input Plugs

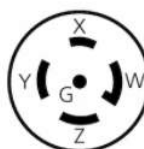
CS8365C



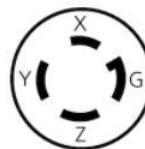
NEMA L21-30P



NEMA L22-30P



NEMA L15-30P



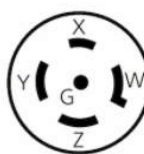
460P9W



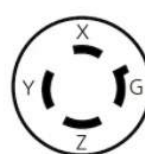
NEMA L21-20P



NEMA L22-20P



NEMA L15-20P



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Specialty Single Phase PDUs

We've got you covered for a variety of applications. Problem solving is in our DNA.

Automatic Transfer Switch (ATS) PDUs

Primary and Secondary input sources provide power redundancy for single corded equipment.



Compact PDUs

Four independently switched outlets with 3.84kW power capacity. Control any signal remotely using the dry contact relay outputs.

2-in-1 and 4-in-1 PDUs

Save on space and cost with two (2-in-1) or four (4-in-1) independent circuits with dedicated input sources in one PDU.



Step-Down Transformer PDUs

Converts high voltage (240 or 208 VAC) output into low voltage (120 VAC) output for powering low voltage AC equipment.

Built To Last

Engineered and Supported in the USA

Our History

The Synaccess Networks netBooter™ PDU was created in 2003 in response to a need to remotely power-cycle equipment to prevent an engineer from making numerous journeys to the lab. For the past two decades, the netBooter has become one of the most well-known names in the remotely switched industrial PDU market. Today, the netBooter continues to be installed in thousands of applications around the world with no signs of slowing down.

In 2018, Synaccess began research and development for SynLink™ and Metered high-density enterprise rack PDUs. Synaccess Networks Inc. established Synaccess LLC as an affiliate company to oversee operations for these next-gen products. The Synaccess SynLink and Metered PDUs are now in production. These products were designed from the ground up using years of expertise in the power distribution industry with an emphasis on high-power/multi-phase installations, more advanced networking capabilities, and increased security.

Our team has earned the trust of a deep customer base for remotely switched and energy monitoring applications. Check out our latest products and learn how you can leverage over 20 years of experience in smart power distribution technology.

North America Locations

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Safety Certification

UL/CSA 62368-1 Complaint,
cTUVus Listed



Supported in USA

Engineered and supported in the USA



Standard 3-Year Warranty

Synaccess will repair or replace, at no charge, products or parts of a product that proves defective because of improper material or workmanship, under normal use and maintenance.



Custom Solutions

Our dedicated team of engineers are up for the challenge.