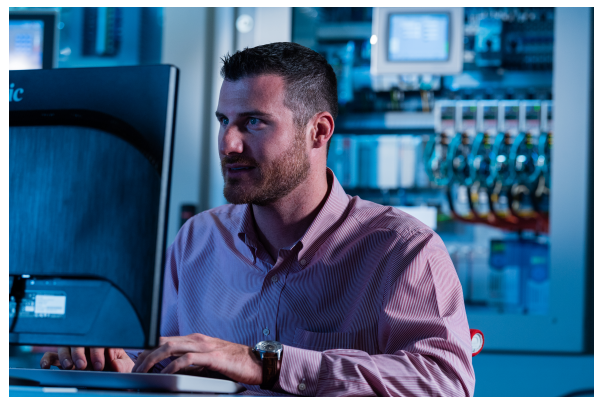


Switched Mode & Uninterruptible Power Supplies

Excellent Performance. Superior Efficiency.



Allen-Bradley

by ROCKWELL AUTOMATION

INDUSTRY-LEADING POWER SUPPLIES



1606-XLS



1606-XLE



1606-XLP



1606-XLB



1607-XT

Low voltage DC power is the lifeblood of automation control systems. Rockwell Automation recognizes that the reliability of any system is reliant a resilient and robust DC control circuits. We offer Allen-Bradley® switch-mode power supplies with a range of features that enable you to match performance required to the application. And when line power is interrupted, back-up AC and DC UPS units can keep critical circuits, sensors and switches energized for fast recovery when power is restored.

Switched Mode Power Supplies

Leading the industry in performance and reliability, the Bulletin 1606 and 1607 families offer switched mode power supply families that meet most worldwide single and three-phase application requirements. These Allen-Bradley units from Rockwell Automation are designed and manufactured to accept wide ranges of both AC and DC input voltages and are tested to meet global safety standards.

In addition, the 1607-XT ArmorPower On-Machine Power Supplies are the ideal solution for applications where voltage drop occurs due to line loss from long wire lengths, along with any application where compact size, high efficiency, and high reliability are critical

The industry-leading efficiency and service life of these units can be attributed to the intelligent circuit design with long life electrolytic capacitors along with industry leading high efficiency. These products generate minimal heat and allow up to 50% additional power reserve without reducing output voltage while minimizing ripple and noise.

So, whether you are looking for a standard product covering a broad range of applications or a compact unit to save precious space and costs, there is sure to be an excellent fit for your unique power needs.



Product Comparison

	<u>1606-XLB</u>	<u>1606-XLE</u>	<u>1606-XLP</u>	<u>1606-XLS</u>
Input Voltage	Single phase	Single/multi-phase	Single/multi-phase	Single/multi-phase
Watt Range	36...480 W	120...960 W	15...100 W	80...960 W
Multiple Output Voltages	24...28VDC	X	X	X
Terminations	Screw and push-in	Screw	Cam lock spring	Cam lock spring
Auto Select Input	X	X	X	X
Power Boost		120%		150%/5 s
DC OK Relay Output	X			X
DC OK LED Indicator	X	X	X	X

BULLETIN 1606

Switched Mode Power Supplies

Bulletin 1606-XLS

Building on the successful design of its predecessors, the XLS line couples a new technology that significantly reduces unit size yet delivers a 150% power boost. Sleek and compact, these highly efficient devices have enough reserve current available to start even your most stubborn loads.

Advantages

- Rated outputs between 80...960 W (3.3...40 A at 24V DC)
- Multiple single and three-phase inputs available for global applications
- Small size for panel space savings
- "Elite" performance for special applications



Bulletin 1606-XLE

Designed with simplicity in mind, the XLE line offers high performing, ultraslim power supplies with the most basic feature set. These products contain the essential features for long service life and high reliability.

Advantages

- Rated outputs between 80...960 W (3.3...40 A at 24V DC)
- Multiple single and three-phase inputs available for global applications
- Address high-availability applications with optional redundancy modules—including load-sharing version

Bulletin 1606-XLP

When saving critical space is one of your main objectives, the XLP line is an excellent alternative. Although these devices are equipped with many of the same features and certifications as the XL devices, they support low-power applications. This line is ideal if you require a cost-effective way to save space while delivering safe and reliable power.

Advantages

- Rated outputs between 15...100 W (0.6...4.2 A at 24V DC)
- Multiple output voltages available
- Multiple single and three-phase inputs available for global applications
- Smaller, cost-effective solution for low power applications



Bulletin 1606-XLB

Our Bulletin 1606-XLB Basic Switched Mode Power Supplies are available in 24V DC 1.5, 2.5, 3.8, 5, 10 and 20 Amp sizes. These power supplies are cost-effective, provide efficiency up to 95.2%, and are rated for long service life.

Advantages

- Rated output between 36 Watts and 480 Watts
- Designed for extended mean time between failure for longer service at a significant price advantage
- Provides a DC-OK signal which allows the ability to monitor the output voltage of the unit

BULLETIN 1606 MODULES



DC-DC Converter Modules

Our Bulletin 1606 XLD family of DC—DC converters contributes to system reliability and increases control circuit resilience in the event of voltage fluctuations. Compact size helps to optimize panel space..

Advantages

- DC—DC converters help stabilize control voltages in battery powered applications
- Compensate for voltage drops at the end of long cable runs by restoring control voltage
- Prevents ground loops
- 120% continuous power reserve, same as XLE family



Bulletin 1606 Redundancy modules

The N+1 redundancy modules provide a cost effective means for providing back-up power in the event the primary power supply fails.

Advantages

- Available for all switched mode power supply lines
- Status indication for each switched mode power supply



Bulletin 1606 Buffer modules

Buffer modules are supplementary devices for regulated DC 24V power supplies. These devices buffer load currents during typical mains faults, switching events or load peaks.

Advantages

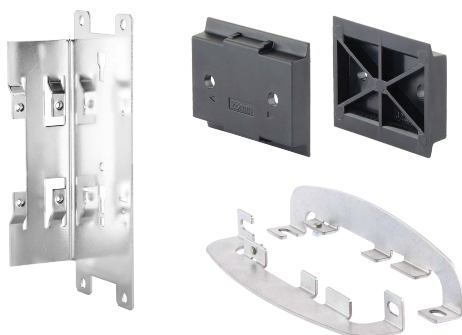
- Applications are not interrupted due to voltage dips and drops or inrush spikes
- Clear status indication by status LED and signaling terminals
- Provides additional power for short and heavy peak loads
- Any number of units can be installed in parallel to increase power buffer or back-up time

BULLETIN 1606 MODULES



Bulletin 1606 DC UPS modules

The DC UPS is a supplementary device for a 24V power supply. It provides back-up power to bridge dips, sags, or loss of power.



Mounting Brackets

A variety of side and wall mounting brackets are available for situations when DIN-rail or back panel mounting is not suitable.



Bulletin 1607-XT

If you are looking for power supplies that are extremely resistant to harsh environmental conditions, look to Bulletin 1607-XT ArmorPower On-Machine power supplies. All models are vacuum encapsulated in potting material, which is thermally conductive and helps to provide maximum resistance to shock, vibration, and humidity.

Advantages

- IP67 rating – Designed and rated to be mounted directly on-machine so no enclosure is needed
- NEC Class 2 rating
- Reduces voltage drop due to line loss when power supply is placed closer to actual load

AC Uninterruptible Power Supplies

Bulletin 1609-D

The Bulletin 1609-D family of Industrial Uninterruptible Power Supplies is designed for industrial applications. These power supplies include remote control features and operate inside control panels used in production environments.

Advantages

- Includes expandable battery capacity to extend run-time
- Offers EtherNet/IP™ communication capabilities
- Includes software to allow remote monitoring and configuration
- Includes integrated remote on/off and dry contact I/O communication cables
- Offers true sine wave AC output



Bulletin 1609-B

The Bulletin 1609-B Industrial Uninterruptible Power Supplies feature the rugged industrial design and performance of the 1609-D line, without the networking and expandable battery features. They are DIN rail mountable or back-of-panel mountable and can handle temperatures up to 50 °C (122 °F) with optional battery.

Advantages

- Offers DIN rail and panel/floor mount capabilities
- Provides hard-wired input/output connections
- Includes integrated remote on/off and dry contact I/O communication cables
- Offers USB communication capabilities



Bulletin 1609-P





The P series features powerful high density double conversion on-line UPSs for the industrial environment and are available in a 3...10 kVA power range for both 208/230V applications. Additionally, the 3 kVA is also available in 120 V. These units are typically assembled in a tower configuration and installed outside of a control panel.

Advantages

- Hot swappable battery packs
- Extended runtimes
- Rack convertible
- Double conversion online topology
- Network management capabilities (Ethernet, RS232)





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