Bulletin 1606-XLB Basic Power Supply

Allen-Bradley

Cost-Effective, Efficient Power for Control Circuits

Features and Benefits

- Available in 5A (120 W) and 10A (240 W) sizes
- Designed for extended mean time between failure for longer service – at a significant price advantage
- Clever single-board design enables up to 95.2% efficiency, reducing heat output which can putting less thermal stress on other components in the enclosure
- DC-OK signal allows monitoring of unit's output voltage
- Clicks smoothly onto any standard DIN rail and features large-sized terminals, making wiring easier

Introducing new 1606-XLB family of power supplies with high efficiency and life expectancy

1606-XLB120E 5A (120 W)

1606-XLB240E 10A (240 W)

Basic DIN Rail Mounted Power Supplies

Bulletin 1606-XLB offers reliability and efficiency usually available only in more expensive power supplies.

These power supplies are rated up to 1.37 million hours mean time between failure (MTBF) and the minimum service life-time is typically 47,000 hours. Efficiency figures range from 90.7% up to 95.2%. Furthermore, the XLB family offers a DC "OK" signal that can be used to monitor the unit's output voltage.

Robust enough for demanding applications, these convection cooled units can operate from -10 C° (some units -25 °C) up to 70 °C. Typically, power derating is only required above 55 °C. The XLB family is easy to mount on any standard DIN rail and features large-sized terminals for east wiring. The 240 W version is only 49 mm wide, an industry leading space saving benefit of XLB.

The new 1606-XLB product family is cost-effective without compromising reliability, efficiency and ease of application.

LISTEN. THINK. SOLVE.®

Bulletin 1606-XLB Specifications

			 1606-XLB120E	 1606-XLB240E
Input	Input voltage range	AC	85-132V AC 170-264V AC	90-264V AC
	Input		Auto select	Wide range
	AC input current	120V AC 230V AC	1.7 A 1.04 A	2.2 A 1.21 A
	Power factor	230V AC	0.54	0.91
Output	Voltage	V DC	24-28V DC	24-28V DC
Efficiency & Losses	Efficiency	120V AC 230V AC	91.2% 92.3%	94.0% 95.2%
Reliability	Lifetime expectancy full load, 40 °C	120V AC 230V AC	68,000 h 83,000 h	55,000 h 74,000 h
Miscellaneous	Temperature range	Lower end Upper end Derating	-10 °C +70 °C >55 °C; 3W/K	-25 °C +70 °C >55 °C; 3W/K
	Terminal size		4.0 mm^2	4.0 mm^2
	Parallel use		Yes, for redundancy	Yes, for redundancy
	Serial use		✓	✓
	DC-OK contact		✓	✓
General Data	Dimensions	Width Height Depth	39 mm 124 mm 124 mm	49 mm 124 mm 124 mm
Approvals	UL60950 (cURus) UL508 (cULus) CE RCM EAC		✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓

www.rockwellautomation.com

Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Publication 1606-PP004-EN-P – November 2016