

Allen-Bradley - ControlLogix

1756-PB72

24 VDC Chassis Power Supply

Verified product identity

Allen-Bradley 1756-PB72 is a ControlLogix chassis power supply for a nominal 24 VDC source. It powers the controller, communication and I/O modules through the chassis backplane.

Verified specifications

Catalog number	1756-PB72
Lifecycle	Active
Nominal input	24 VDC
Input range	18 to 32 VDC
Maximum input power	95 W
Maximum output power	75 W at 0 to 60°C
Backplane outputs	1.2 V at 1.5 A; 3.3 V at 4 A; 5.1 V at 10 A; 24 V at 2.8 A
Hold-up time	35 ms at 18 V DC; 40 ms at 24 V DC; 40 ms at 32 V DC
Supported chassis	1756-A4, 1756-A7, 1756-A10, 1756-A13 and 1756-A17, Series A/B/C

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1756-PB72

Additional verified specifications

Dimensions (W × H × D)	11.2 × 14.0 × 14.5 cm
Weight	0.95 kg
Enclosure	Open-style
Operating temperature	0 to 60°C
Storage temperature	-40 to 85°C
Relative humidity	5 to 95%, non-condensing
Vibration	2 g at 10 to 500 Hz
Shock	30 g operating; 50 g non-operating (30 g with Series C chassis)
Certifications	UL, c-UL-us, UKCA, CE, ATEX, IECEx, UKEx, KC, EAC and CCC

Selection and replacement checks

- Match the power-supply Series with the installed chassis Series before replacement.
- Calculate the demand on every backplane rail, not only total watts.
- Verify input polarity, branch protection, protective earth, conductor rating and terminal torque.

Installation and commissioning checks

- Measure the 18 to 32 VDC input at the supply while the chassis is loaded.
- Confirm that every module starts without a rail or chassis-power diagnostic.
- Record the supply Series, chassis Series and final power calculation for maintenance.

Data boundary

Dimensions and weight are exact 1756-PB72 product data published by Rockwell Automation; they are not packaging values.