Redundant Power Supplies

A redundant power supply system provides extra uptime protection for chassis that are used in critical applications. The redundant power supplies funnel power through the chassis adapter to the ControlLogix series B chassis backplane. To build a redundant power supply system, you need the following components.

Cat. No.	Amount	Description	Voltage Category	Operating Voltage Range	Chassis
1756-PAR2	Kit	Bundled system contains: – Two1756-PA75R power supplies – Two 1756-CPR2 cables – One 1756-PSCA2 chassis adapter	110V AC	N/A	Standard, series B
1756-PAR2XT	Kit	Bundled system contains: – Two1756-PAXTR power supplies – Two 1756-CPR2 cables – One 1756-PSCA2 chassis adapter	110V AC	N/A	
1756-PBR2	Kit	Bundled system contains: – Two 1756-PB75R power supples – Two 1756-CPR2 cables – One 1756-PSCA2 chassis adapter	24V DC	N/A	
1756-PBR2XT	Kit	Bundled system contains: – Two 1756-PBXTR power supples – Two 1756-CPR2 cables – One 1756-PSCA2 chassis adapter	24V DC	N/A	
1756-PA75R/A or 1756-PAXTR	2	Redundant AC power supply	120V/220V AC	85…256V AC	
1756-PB75R/A or 1756-PBXTR	2	Redundant DC power supply	24V DC	19.2…32V DC	
1756-CPR2 or 1756-CPR2D or 1756-CPR2U	2	Redundant power supply cable: Connector angle = straight, length = 0.91 m (3 ft) Connector angle = down, length = 0.91 m (3 ft) Connector angle = up, length = 0.91 m (3 ft)	N/A	N/A	
1756-PSCA2 or 1756-PSCA2XT	1	Redundant power supply chassis adapter			
N/A (user-supplied)	2	Annunciator wiring(1) (Maximum length = 10 m [32.8 ft])			

(1) Optional user-supplied annunciator wiring can be connected to the solid-state relay input for status and troubleshooting purposes.