CISCO PWR-C1-1100WAC

DATA SHEET

1100W AC High-Capacity Power Supply for Catalyst 9300 / 9300L Series

Product Overview: The Cisco PWR-C1-1100WAC is a hot-swappable, high-capacity AC power supply module engineered for Cisco Catalyst 9300 and 9300L Series switches. Delivering up to 1100W of total power, it provides an elevated PoE budget (880W) to enable maximum PoE+ density across high-demand enterprise deployments.

1. GENERAL SPECIFICATIONS

Hardware & Functional Parameters	
Power Supply Model	PWR-C1-1100WAC
Max Output Power	1100 Watts
Available PoE Budget	880 Watts (48-port PoE switches) [cite: 1, 2]
Form Factor	Hot-Swappable Plug-in Module
Supported Switch Series	Cisco Catalyst 9300 Series & Catalyst 9300L Series (PoE models like C9300L-48P-4G) [cite: 1, 2, 3, 4]
Input Voltage Range	115 to 240 VAC (High-line input required for full output)
Input Frequency	50 to 60 Hz
Input Current	12.0A - 6.0A
Efficiency Rating	~89% to 92% Typical Efficiency (80 PLUS Gold Class)

2. OUTPUT & THERMAL SPECIFICATIONS

Output Voltage & Current	-56V @ 19.64A / 12V @ 2.5A (Internal Power & Maximum PoE Allocation)
Hold-up Time	Minimum 10 ms at 115 VAC
Total Thermal Heat Dissipation	4250 BTU/hr (Maximum)
Built-in Fan	Integrated Front-to-Back Airflow Cooling Fan

3. PHYSICAL & ENVIRONMENTAL CHARACTERISTICS

Dimensions (H x W x D)	1.58 in x 3.25 in x 11.72 in (4.01 cm x 8.26 cm x 29.77 cm)
Weight	~3.1 lbs (1.41 kg)
Operating Temperature	-5°C to 45°C (23°F to 113°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Relative Humidity	5% to 90% (non-condensing)

4. DEPLOYMENT & HIGH-DENSITY POE CAPABILITIES

- **Full PoE+ Density:** Upgrades the available PoE budget to 880W, allowing full IEEE 802.3at PoE+ (30W per port) across all 48 ports simultaneously on C9300L-48P-4G [cite: 1, 2, 3, 4].
- **High-Power Devices:** Designed for heavy deployments including Wi-Fi 6/6E Access Points, PTZ security cameras, IP video phones, and IoT endpoints.

- **Redundancy & Power Sharing:** Supports 1+1 Power Redundancy or Combined PoE Power Sharing mode when paired with a second PWR-C1-1100WAC module.

Ordering Note: Recommended upgrade for any C9300 / C9300L PoE switch deployments requiring full PoE+ power allocation across all physical access ports [cite: 1, 2, 3, 4].