

Product Overview: The Cisco PWR-C1-1900WAC is an ultra-high-capacity, hot-swappable AC power supply module designed specifically for Cisco Catalyst 9300 Series Switches. Delivering up to 1900W of total output, it provides maximum UPOE (60W) and UPOE+ (90W) power allocation across high-density access deployments.

1. GENERAL SPECIFICATIONS

Hardware & Functional Parameters	
Power Supply Model	PWR-C1-1900WAC
Max Output Power	1900 Watts (High-line: 200V-240V) / 1500 Watts (Low-line: 100V-120V)
Available PoE Budget	Up to 1600 Watts (Varies by chassis model)
Form Factor	Hot-Swappable Plug-in Module
Supported Switch Series	Cisco Catalyst 9300 Series (UPOE / UPOE+ Modular Switches)
Input Voltage Range	100 to 240 VAC (Auto-ranging, high-line required for 1900W)
Input Frequency	50 to 60 Hz
Input Current	12.0A - 10.0A
Efficiency Rating	~90% to 93% Typical Efficiency (80 PLUS Gold/Platinum Equivalent)

2. OUTPUT & THERMAL SPECIFICATIONS

Output Voltage & Current	-56V @ 33.9A / 12V @ 2.5A (Internal Power & Maximum UPOE Allocation)
Hold-up Time	Minimum 10 ms at 200-240 VAC
Total Thermal Heat Dissipation	~7200 BTU/hr (Maximum)
Built-in Fan	Integrated Variable-Speed Cooling Fan (Front-to-Back Airflow)

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	~3.5 lbs (1.58 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-POWER POE CAPABILITIES

- High-Power PoE Standards:** Designed to supply Cisco UPOE (up to 60W per port) and IEEE 802.3bt Type 4 UPOE+ (up to 90W per port).
- High-Density Deployments:** Ideal for driving Wi-Fi 6E/7 Access Points, Smart Building LED Lighting, Heavy-Duty PTZ Cameras, and Digital Signage.

- **High-Line Input Requirement:** Requires 200V-240V AC power input to achieve the full 1900W output capacity. Standard 110V inputs limit output to 1500W.
- **Chassis Compatibility Note:** Primarily used in modular Catalyst 9300 (C9300) models. Fixed-uplink C9300L switches generally max out at the PWR-C1-1100WAC module.

Ordering Note: Confirm line voltage supply (200V-240V) and specific Catalyst 9300 UPOE/UPOE+ chassis requirements before procurement.