

Power Supply St 12V 20A PS1220

ST-Standard PS1220 Power Supply – 12V 20A (200W)
Heavy-Duty AC to DC Adapter with Full Electrical Protection

1. Product Overview

The ST-Standard PS1220 12V 20A (200W) Power Supply is a heavy-duty industrial-grade AC to DC adapter engineered to provide powerful, regulated, and stable DC output for high-load 12V systems. Designed for professional CCTV infrastructures, large LED installations, DVR units, and industrial 12V equipment, the unit integrates advanced multi-layer protection circuits to ensure operational safety, voltage stability, and long-term reliability.

With universal input voltage compatibility (100–240V AC, 50/60Hz), the PS1220 is suitable for commercial, industrial, and institutional projects.

2. Key Functional Features

- Regulated Output Voltage: 12V DC
- Output Current: 20A
- Rated Output Power: 200W
- Wide Input Voltage: 100–240V AC
- Input Frequency: 50/60Hz
- Over-Voltage Protection (OVP)
- Over-Current Protection (OCP)
- Short-Circuit Protection (SCP)
- Surge Protection Circuit
- Built-in LED Power Indicator
- High Efficiency & Stable Output Regulation
- Designed for Continuous & Heavy-Duty Operation
- 2-Year Replacement Warranty
- 5-Year Maintenance Warranty

3. Technical Specifications

Electrical Specifications

Parameter	Specification
Model	PS1220
Input Voltage	100–240V AC
Input Frequency	50/60Hz
Output Voltage	12V DC
Output Current	20A
Rated Power	200W
Output Type	Stabilized Regulated Output
Protection System	OVP / OCP / SCP / Surge

4. Protection System Details

Protection Type	Function
Over-Voltage	Prevents voltage spikes
Over-Current	Protects from overload damage
Short-Circuit	Automatic shutdown protection
Surge Protection	Guards against power instability

5. Recommended Applications

- Multi-Camera CCTV Systems
- Large LED Strip Installations
- DVR & Security Systems
- Industrial 12V Equipment
- Commercial & Government Security Projects

6. Installation Environment

Environment	Suitability
Indoor Installation	Recommended
Outdoor Use	With Protective Enclosure

7. Warranty & After-Sales Support

Coverage Type	Duration
Replacement	2 Years
Maintenance	5 Years

All units are factory-tested to ensure compliance with safety and performance standards.

