

Power Supply St PS1230 12V 30A

ST-Standard PS1230 Power Supply – 12V 30A (360W)

Industrial Heavy-Duty AC to DC Adapter with Full Electrical Protection

1. Product Overview

The ST-Standard PS1230 12V 30A (360W) Power Supply is an industrial-grade heavy-duty AC to DC adapter engineered for high-load applications requiring powerful, regulated, and continuous DC output.

Designed for large-scale CCTV infrastructures, extensive LED lighting systems, DVR installations, and heavy-duty 12V equipment, the unit integrates advanced multi-layer protection circuits to ensure operational stability, electrical safety, and long-term reliability.

With universal input voltage compatibility (100–240V AC, 50/60Hz), the PS1230 is suitable for commercial, industrial, and institutional projects.

2. Key Functional Features

- Regulated Output Voltage: 12V DC
- Output Current: 30A
- Rated Output Power: 360W
- Wide Input Voltage Range: 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 & Industrial Operation
- 2-Year Replacement Warranty
- 5-Year Maintenance Warranty

3. Technical Specifications

Electrical Specifications

Parameter	Specification
Model	PS1230
Input Voltage	100–240V AC
Input Frequency	50/60Hz
Output Voltage	12V DC
Output Current	30A
Rated Power	360W
Output Type	Stabilized Regulated Output

Parameter	Specification
Protection System	OVP / OCP / SCP / Surge

4. Protection System Details

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

5. Recommended Applications

- Large Multi-Camera CCTV Systems
- High-Power LED Strip Installations
- DVR & Security Infrastructure
- Industrial 12V Equipment
- Commercial & Government 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 undergo factory quality assurance testing prior to shipment to ensure compliance with professional safety standards.

