

# Power Supply 72V, 20.8A - 1500W - 1 Output

## Product codes:

Reference: AM9715

EAN13: -

UPC: 85044090

## Product features:

Input voltage: 180-264 V AC, 45-65 Hz

Output voltage: 72 V DC

Output current: 20.8 A

Output power: 1500 W

Waterproof grade: IP20



## Product attributes:

## Product description:

Introducing the series of highly reliable industrial switched power supplies IPS-SP-1500, designed for demanding applications requiring precisely regulated power. Each model offers smooth regulation of output voltage and current, allowing precise adjustment to your application's requirements. These robust metal-cased supplies with IP20 protection are ideal for installation in distribution cabinets and industrial systems.

## Key Features:

- **Variable Output Voltage:** Continuously adjustable from 0 V to 72 V DC using a precise adjustment trimmer
- **High Output Current:** Stable 20.8 A for demanding applications
- **Wide Input Voltage Range:** 180-264 V AC, 45-65 Hz
- **High Efficiency:** 90% for economical operation with minimal heat losses
- **Active Cooling:** Ensures optimal operating temperature even under high load

## Comprehensive Protective Functions:

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- Overload protection (105%-150%)
- Overvoltage protection
- Short circuit protection with automatic recovery
- Thermal protection at  $\geq 70$  °C with automatic recovery when falling below 50 °C

## Practical Design:

- Standard terminal block with screws for easy connection
- LED indicator for visual power check
- Durable metal construction ensuring long lifespan

## Advanced Control Functions:

- **External Potentiometer:** Remote control of voltage and current
- **Analog Voltage Control:** Support for 0-5 V / 0-10 V control signal
- **Auxiliary Power Output:** 12 V 0.5 A for powering external devices
- **Remote Switching:** Default state on, off by high level (3 V-12 V)

## Ideal Applications:

- **Automation Systems:** Control of industrial processes and production lines
- **Servo Drives and Motors:** Precise power control for various drives
- **Telecommunication Equipment:** Reliable power supply for critical communication systems
- **Industrial Control Systems:** Stable power supply for PLC and other control elements
- **Testing and Measuring Equipment:** Precise power supply for laboratory and testing applications
- **Entry Gates and Security Systems:** Uninterruptible power supply for security elements

## Technical Specifications:

- **Input Voltage:** 180-264 V AC, 45-65 Hz
  - **Output Voltage:** 0-72 V DC
  - **Output Current:** max. 20.8 A (72 V DC)
  - **Output Voltage Accuracy:**  $\pm 1.0\%$
  - **Regulation with Input Voltage Change:**  $\pm 1.0\%$
  - **Regulation with Load Change:**  $\pm 1.0\%$
  - **Efficiency:** 90%
  - **Start-up Time:** 1500 ms, 100 ms at 230 V AC (full load)
  - **Output Voltage Ripple:** 200-1000 mV (depending on model)
  - **Insulation Resistance:** 100 M $\Omega$  at 500 V DC (25 °C, 70% RH)
  - **Dielectric Strength:** I/P-O/P: 1.2 kV AC, I/P-FG: 1.2 kV AC, O/P-FG: 0.5 kV AC
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- **Operating Temperature:** -20 °C to +60 °C
- **Operating Humidity:** 0-90% RH (non-condensing)
- **Vibration Resistance:** 10-500 Hz, 2 G (tests 10 min/cycle, axes X, Y, Z for 60 min.)
- **Dimensions:** 277 × 155 × 70 mm (L × W × H)
- **Weight:** 2.4 kg

**Product gallery:**

