INDUSTRIAL POWER SUPPLY DATASHEET

ATX / PS2 300W Switching Power Supply

96PS-A300WPS2

The **96PS-A300WPS2** is a robust, high-reliability industrial power supply designed for mission-critical embedded systems, rackmount industrial PCs, and automation controller units. Engineered to operate under rigorous thermal and electrical environments, it delivers stable 300W continuous output power with Active Power Factor Correction (PFC).

GENERAL SPECIFICATIONS

Form Factor	ATX / PS2 Standard Industrial Chassis
Output Power	300 Watts Continuous
Input Voltage	90 – 264 VAC Full Range, 47 – 63 Hz
Input Current	6.0A (RMS) max. @ 115 VAC, 3.0A (RMS) max. @ 230 VAC
Power Factor Correction	Active PFC (PF > 0.9 at full load)
MTBF	> 100,000 hours at 25°C ambient
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 80°C (-4°F to 176°F)

High Reliability
Designed with heavy-duty industrial components supporting continuous 24/7 operations.

Comprehensive Protections
Includes Over Voltage, Over Current, Short Circuit, and Over Power safety cutoffs.

DC OUTPUT RATINGS

Output Voltage	Min. Current	Max. Current	Regulation
+3.3V	0.5A	14.0A	± 5%
+5V	0.3A	16.0A	± 5%
+12V	1.0A	22.0A	± 5%
-12V	0.0A	0.3A	± 10%
+5VSB	0.1A	2.5A	± 5%

STANDARD CONNECTOR PINOUT & WIRING

Equipped with industry-standard connectors configured for motherboard compatibility and peripheral expandability:

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[ Main Power Connector ] : 1x ATX 24-pin / 20-pin convertible
[ CPU Power Connector ] : 1x ATX 12V (4+4 pin)
[ Peripheral Lines ] : SATA Power Connectors, Molex 4-pin, Floppy 4-pin
[ Cooling Solution ] : Low-noise ball bearing internal fan with thermal control
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CERTIFICATIONS AND REGULATORY COMPLIANCE

The unit complies with major international EMC, safety, and environmental regulations, ensuring worldwide seamless deployment in industrial panels, kiosks, and embedded servers. Standards met include CE, FCC, UL/cUL, and RoHS directives.