

ADP 56WA/WB Series

Single Output, 56 Watt, Universal AC-DC Power Supplies



New Release!!

The ADP 56WA and WB Series are light, compact, and efficient power supplies. These supplies are ideal for a wide range of limited space applications for notebook computers, printers and instrumentation. The ADP Series quietly delivers continuous power, while complying with international safety standards. The ADP Series are enclosed in a molded sealed plastic case.

Features

- Sanken's patented SMZ(Soft-switched Multi-resonant, Zero-current switching) topology
- High Efficiency, 84% Nominal
- Ultra Miniature Size, 114.5mm x 49.5mm x 27mm (158cc)
- Universal Input 90 to 265Vac
- Meets Worldwide Safety Standards
- Tight Voltage Regulation
- Over-Current Protected
- Two types available: 2 pin Inlet and 2 pin Barrel Output (WA)
3 pin Inlet and 2 pin Barrel Output (WB)
- Meets FCC, VCCI Class 2 and CISPR Level "B" EMI Requirements

	Rated Output Voltage	Rated Output Current	Over-Current Protection	Over-Voltage Protection	Ripple Noise	Efficiency
ADP56WA16.0	16 V	3.5 A	0~3.5 A	15.5~17 V	250mVpp	84%
ADP56WB16.0	16 V	3.5 A	0~3.5 A	15.5~17 V	250mVpp	84%

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ADP 56WA/WB Series

SPECIFICATIONS

INPUT

Input Voltage	Universal, 90 to 265 V
Input Frequency	47 to 63Hz
Input Current	1.4A or less
Inrush Current	100A or less at cold start
AC Turn-on Time	3 sec. or less at 90 V

OUTPUT

Output Power	56W
Over-Current Protection	Yes, Constant current
Over-Voltage Protection	Yes, 22V or less
Leakage Current	250 μ A max (240V,50Hz)
Thermal Protection	Yes, Shut down
Reset Time after Shutdown	20 sec. or less at 264V
Output Rise-up Time	90 msec. or less

ENVIRONMENTAL

Operating Temperature	5~40°C
Storage Temperature	-31~+60°C
Cooling	Free air convection
Storage Humidity	8~80%
Operation Humidity	8~80%

VIBRATION

Frequency	5~100Hz
Amplitude	25mm MAX
Acceleration	0.5G
Sweep Time	1 min
Direction	X, Y, Z
Vibration Time	10 min

SHOCK

Storage	Passes lifting the unit and dropping it from 1.5 meter high to an oak board
Operation	Shock acceleration: 2.0G Sine wave: 10ms Direction of force: X,Y,Z Apply 10 Times in 1 sec. interval
EMI Regulations	VCCI Class-II FCC Class-B (115 V) CISPR22 Class-B (230 V)
Safety Standards	Dentori, Kou-Syu UL No.1950 2 nd Edition, UL1310 CSA C22.2 No. 950 IEC-No. 950
Hi-Pot Test	P-S 3 kv 1sec. (10 mA or less)
Insulation Resistance	P-S DC 500 V. 50 M* or more