

Excellent Integrated System Limited

Stocking Distributor

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[SL Power Electronics - Manufacturer of Condor/Ault Brands](#)
[PW300MA0012F01](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

AULT SPECIFICATION

PW300 Universal Series

Final 3/31/97

INPUT

Voltage	100-250VAC -10%, +6%
Line Frequency	47-63 Hz
Current	1.3A Max. at 100VAC Input
Protection	Internal primary current fuse, Inrush limiting Overcurrent and short circuit protected
Configuration	In Case IEC320 with Ground

OUTPUT

<i>Model</i>	<i>Voltage</i>	<i>Min. Current</i>	<i>Max. Current</i>	<i>Max.Watts</i>	<i>Max. Power</i>
PW300KA0012F01	+5VDC	0A	5.0A	25.0	50 Watts
	+12VDC	0A	4.0A	24.0	
	-12VDC	0A	0.5A	6.0	

Combined Line and Load Voltage Regulation Excluding Cord	+5VDC: $\pm 1\%$ Combined +5,+12 Output of >0.6A +12VDC: +5% -5% Combined +5, +12 Output of >0.6A -12VDC: $\pm 6\%$ Combined +5, +12 Output of >0.6A
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Ripple	+5: 50mV p-p Max combined +5, +12 Output >0.6A +12: 100mV p-p Max combined +5, +12 Output >0.6A -12: 100mV p-p Max combined +5, +12 Output >0.6A
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Transient Response	0.5mSec for 50% load change typical
Holdup Time	20mSec @ 120VAC; 120mSec @ 240VAC
Protection	Foldback overcurrent protection on all outputs Short circuit protection on all outputs OVP 6.8V Max on +5VDC

Cord and Connectors	3 ft., 5 Conductor, 18 AWG, Ault #12 Connector Other Connectors are also available
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ELECTRICAL

Topology	Switching - Fixed Frequency Flyback
Dielectric Withstand	3000VAC, 4250VDC Primary - Secondary 1500VAC, 2150VDC Primary - Ground 500VDC, Secondary - Ground
Safety Spacings	8mm Primary - Secondary
Leakage Current	Less than 0.75mA at 265VAC 50Hz
Efficiency	Up to 75%
EMI	Complies with EMC Directives
CE	CE Compliant

SAFETY APPROVALS

UL1950, CSA950, TUV/IEC950

ENVIRONMENTAL

Operating Temperature	0° - 50° C with no derating
Storage Temperature	-30° C to +85° C
Relative Humidity	5% to 95% Non-condensing
Altitude	0 - 10,000 Feet
Cooling	Convectional non-vented case

MECHANICAL

Case and Dimensions	LP8 - Desktop 5.87 L x 3.34 W x 2.0 H (in) 149 L x 86 W x 51 H (mm)
Case Material	Black 94V0 Polycarbonate
Weight	16 Ounces, 454 grams (excluding cords)

WARRANTY

3 Years

