

# SW201 and SW301 25 Watt Universal Series

## Features

- 100-250 VAC
- Desktop Style
- Multiple Outputs up to 25.0W
- Regulated Output With Low Ripple
- Meets Safety Agency Requirements
- Complies With EMI/RFI Regulations
- CE Compliant
- Impact Resistant Polycarbonate Enclosure
- Private Label Marking Available
- 3 Year Warranty
- Modified and Custom Designs Also Available

Ault Model	Voltage DC	Minimum Current-Amps	Maximum Current-Amps	Maximum Watts	Maximum Power
SW201KA0012F01	+5	0	4.0	20.0	25.0
	+12	0	1.0	12.0	
SW301KA0012F01	+5	0	4.0	20.0	25.0
	+12	0	1.0	12.0	
	-12	0	0.6	7.2	

## Input

- Voltage 100-250 VAC -10%, +6%
- Line Frequency 47 - 63 Hz
- Current 0.65A Max. at 90 VAC input
- Protection Internal primary current fuse, Inrush limiting
- Configuration In case IEC320 with ground

## Output

- Combined Line and Load Voltage Regulation Excluding Cord
  - +5: +1% combined +5, +12 output of >0.6A
  - +12: +5% combined +5, +12 output of >0.6A
  - 12: +6% combined +5, +12 output of >0.6A
- Ripple
  - +5: 50 mV p-p max., for combined +5, +12 output > 0.6A
  - +12: 100 mV p-p max., for combined +5,+12 output >0.6A
  - 12: 100 mV p-p max., for combined +5,+12, output>0.6A
- Transient Response
  - 0.5msec. for 50% load change typical
- Holdup Time
  - 18msec min. @ 120VAC, 100msec min. @ 240VAC
- Protection
  - Foldback overcurrent protection on all outputs. Short circuit protection on all outputs. Optional overvoltage crowbar 6.8V max. on +5. Optional reverse polarity crowbar on -12.
- Cord and Connector
  - 6 ft, 4 or 5 conductor, 18 AWG, Ault #12 connector. Other connectors are also available

- Agency Listings TUV/IEC950; UL1950; CSA950

## Electrical

- Topology Switching - fixed frequency flyback
- Dielectric Withstand
  - 3000 VAC, 4250 VDC primary-secondary
  - 1500 VAC, 2150 VDC primary-ground
  - 500 VDC secondary-ground
- Spacing 8mm primary-secondary
- Leakage Current Less than 0.75 mA at 265 VAC 50 Hz
- Efficiency Up to 72%
- EMI Complies with EMC Directives
- MTBF 100,000 Calculated Hours

## Environment

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

## Mechanical

- Case Dimensions LP7 - Desktop  
5.08 L x 3.05 W x 1.59 H (in)  
129 L x 77 W x 40 H (mm)
- Case Material Black 94V0 polycarbonate
- Weight 13 ounces, 370 grams (excluding cord)

## Safety Approvals

**THREE YEAR WARRANTY**

Ault Incorporated, 7105 Northland Terrace, Minneapolis, MN 55428

Contact Ault Inc. for all your custom design requirements. Phone: 763.592.1900 • Fax 763.592.1911