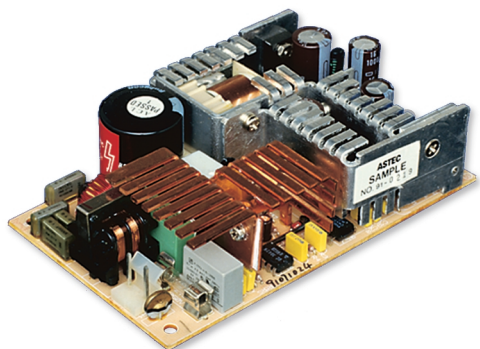


40 Watts SA40-1313 Series

Total Power: 40 Watts
Input Voltage: 85-264 VAC
of Outputs: Triple



Electrical Specs

Input

Input range	85-264 VAC
Frequency	47-63 Hz
Inrush current	<25 A peak @ 115 VAC; <50 A peak @ 230 VAC, cold start at 25°C
Input current	1 A max. (RMS) @ 115 VAC; 0.5 A max (RMS) @ 230 VAC
Efficiency	70% typical at full load, nominal line
Power factor	>0.65
EMI filter	Meets FCC 20780 Class B and VDE 0871 Level B

Output

Maximum power	40 W convection
Cross regulation	±2% on output 1; ±5% on outputs 2, 3
Overshoot	None
Hold-up time	20 ms @ full load, 115 VAC nominal line
Overvoltage protection	+5 V trip voltage less than 6.8 V; recycle AC safety ground to reset
Safety ground	
Leakage current	< 0.5 mA @ 250 VAC, 50 Hz
Overload protection	Short circuit protected on all outputs

Special Features

- Low cost
- Universal input
- 3" x 5" footprint
- Built-in EMI filter
- Low output ripple
- 100% computerized final testing
- Overvoltage protection
- Overload protection

Environmental

Operating temperature: 0° to 50°C ambient

Storage temperature: -40° to 85°C

Thermal regulation: ±.04% per °C

MTBF: >100,000 hours at full load and 25°C
ambient conditions per MIL-HDBK-217E

Safety

TUV	IEC950	R9153228
UL	UL1950	E132002
CSA	CSA22.2-234	LR53982C
VDE	VDE0805, IEC 950	11774-3336-1164
EN	60950	
CB	certificate and report	UL330-132002 / USA

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Ordering Information

Model Number	Output Voltage	Minimum Load	Maximum Load	Peak Load ¹	Regulation ²	Ripple P/P (PAR) ³
SA40-1313	5 V	0.45 A	5 A	—	+5%, -4%	50 mV
	12 V	0.3 A	3 A	4.5 A	±5%	120 mV
	-12 V	0 A	0.35 A	—	±10%	120 mV

1. Peak current lasting <20 seconds. (Maximum Po = 60 W)
2. At 25°C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
3. Peak-to-peak with 20 MHz bandwidth and 10 μF capacitor in parallel with 0.1 μF capacitor at rated line voltage and load ranges.

Pin Assignments

Connector	SA40-1313
SK1-1	Live
SK1-2	Pin removed
SK1-3	Neutral

SK2-1	+12 V
SK2-2	+5 V
SK2-3	+5 V
SK2-4	Common
SK2-5	Common
SK2-6	-12 V

Mating Connectors

AC Input: Molex 09-91-0300
 DC Outputs: Molex 09-91-0600

Notes:

1. Specifications subject to change without notice.
2. All dimensions in inches (mm).
3. Mounting holes M1, M2 and M3 should be grounded for EMI purposes.
4. Mounting hole M1 is safety ground connection.
5. Specifications are for convection rating at factory settings at 115 VAC input, 25°C unless otherwise stated.
6. For safety purposes, on mounting hole M4 use plastic standoff.
7. Warranty: 1 year
8. Weight: 0.54 lb / 0.25 kg

