

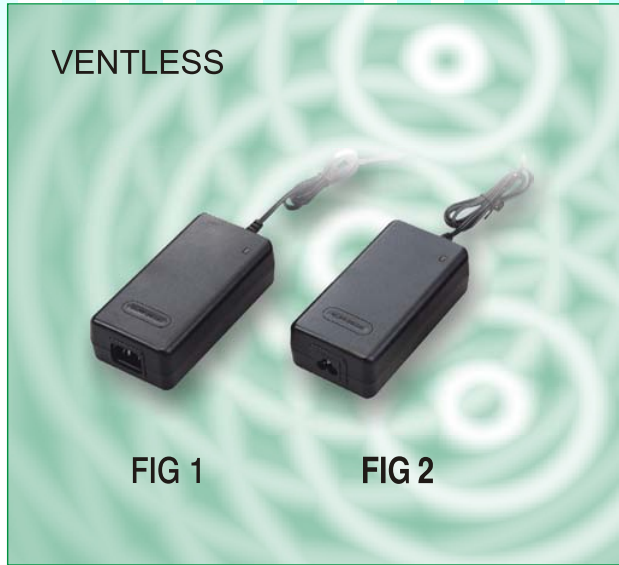
PSU50 SERIES

Desktop power supply

Features:

- Universal input voltage
- Optional input inlets
- Dual or triple outputs
- Optional output connectors
- Over voltage protection
- Over current protection
- High efficiency & reliability
- Compact low profile package
- One year warranty

SAFETY AGENCY APPROVALS



Specifications:	PSU50 Series:
Input voltage	100-240 VAC (Limits: 90-264VAC)
Input frequency	47 to 63Hz
Input current	1.6A (rms) for 115VAC, 1.0A (rms) for 230 VAC
Safety ground leakage current	Class 1 (3.5mA) Class 2 (0.25mA) max @ 240 VAC 50Hz
Output voltage	See rating chart ($\pm 5\%$ tolerance)
Output current	See rating chart
Output power range	50 watts Max
Ripple	1 % peak to peak maximum
Over voltage protection	Provided on outputs set at 112~132% of its nominal output voltage
Over current protection	All outputs protected to short circuit conditions
Temperature coefficient	All outputs $\pm 0.04\%$ / °C maximum
Transient response	Maximum excursion of 4% or better on all models. recovering to 1% of final value within 500uS after a 25% step load change
Operating temperature	0°C ~ 30°C
Storage temperature	-40°C to + 85°C
Relative humidity	5% to 95% non-condensing
Derating	Derated from 100% at +30°C linearly to 50% at 70°C
Efficiency	65% minimum at full output
Hold-up time	10 msec minimum
Line regulation	$\pm 1\%$ maximum for any input voltage change between input voltage range
Load regulation	$\pm 5\%$ variations from minimum to maximum output current.
Insulation resistance	50 Mohm minimum from output to ground
Inrush current	15 AMPS @ 115 VAC, or 30 AMPS @ 230 VAC at 25°C cold start
Withstand voltage	4242VDC from input to output
Mean time between failure	50,000 hours minimum at full load at 25°C ambient
EMI requirements	Meets conduction limits of: CISPR 22.2
Safety requirements	Meets or exceeds: (A) UL 1950 (B) CSA C22.2 (C) TUV EN60950 (D) IEC950
Warranty	1 year

UNIT: mm

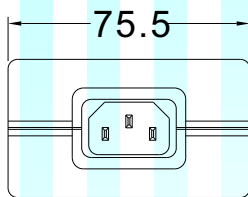


FIG 1

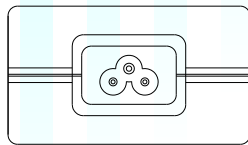
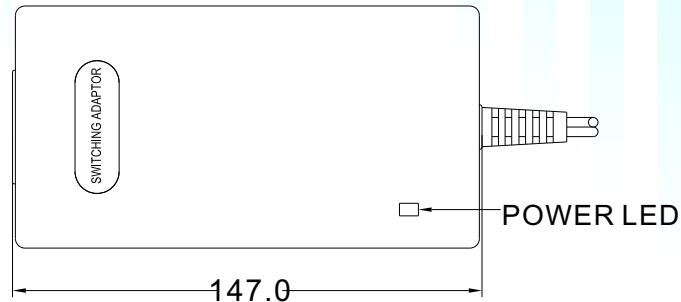
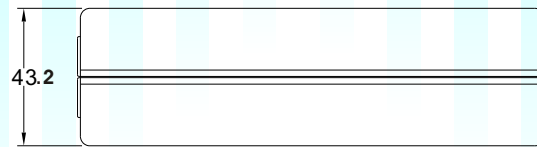


FIG 2



Note:
 1. Weight: Approx 510~560g
 2. Optional output connectors (see page 45)

FIG 1

Model	Output#1 V nom I max	Output#2 V nom I max	Output#3 V nom I max	Maximum Output Power
PSU50A-12	+5VDC 4.50A	+9 VDC 1.70A	N / A	37.8W
PSU50A-13	+5VDC 4.00A	+12VDC 2.00A	N / A	44W
PSU50A-14	+5VDC 4.00A	+15VDC 1.80A	N / A	47W
PSU50A-16	+5VDC 5.00A	+24VDC 1.00A	N / A	49W
PSU50A-36	+12VDC 2.20A	+24VDC 1.00A	N / A	50.4W
PSU50A-13D	+5VDC 4.00A	+12VDC 2.00A	-12 VDC 0.50A	50W
PSU50A-14E	+5VDC 4.00A	+15VDC 1.50A	-15 VDC 0.50A	50W
PSU50A-12C	+5VDC 5.00A	+10VDC 1.00A	-10 VDC 0.50A	40W
PSU50A-13A	+5VDC 4.00A	+12VDC 2.00A	-5 VDC 0.50A	46.5W
PSU50A-14A	+5VDC 5.00A	+15VDC 1.20A	-5 VDC 0.50A	45.5W
PSU50A-13D-I	+5VDC 5.00A	+12VDC 1.00A	-12 VDC 0.25A	40W

FIG 2

Model	Output#1 V nom I max	Output#2 V nom I max	Output#3 V nom I max	Maximum Output Power
PSU50C-12	+5VDC 4.50A	+9 VDC 1.70A	N / A	37.8W
PSU50C-13	+5VDC 4.00A	+12VDC 2.00A	N / A	44W
PSU50C-14	+5VDC 4.00A	+15VDC 1.80A	N / A	47W
PSU50C-16	+5VDC 5.00A	+24VDC 1.00A	N / A	49W
PSU50C-36	+12VDC 2.20A	+24VDC 1.00A	N / A	50.4W
PSU50C-13D	+5VDC 4.00A	+12VDC 2.00A	-12 VDC 0.50A	50W
PSU50C-14E	+5VDC 4.00A	+15VDC 1.50A	-15 VDC 0.50A	50W
PSU50C-12C	+5VDC 5.00A	+10VDC 1.00A	-10 VDC 0.50A	40W
PSU50C-13A	+5VDC 4.00A	+12VDC 2.00A	-5 VDC 0.50A	46.5W
PSU50C-14A	+5VDC 5.00A	+15VDC 1.20A	-5 VDC 0.50A	45.5W
PSU50C-13D-I	+5VDC 5.00A	+12VDC 1.00A	-12 VDC 0.25A	40W