

Desktop power supply

Features:

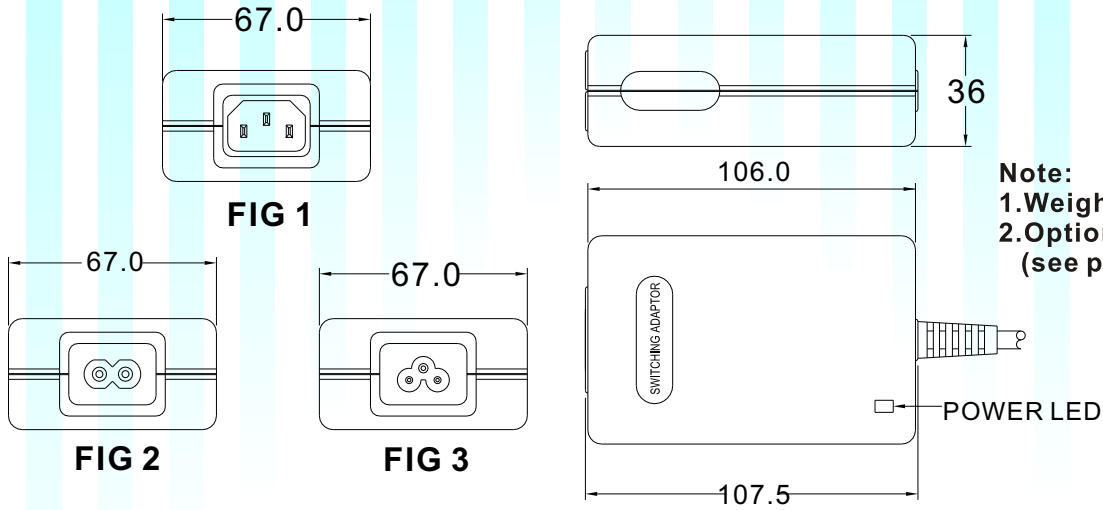
- Universal input voltage
- Dual or triple outputs
- Optional output connectors
- Over voltage protection
- Over current protection
- High efficiency & reliability
- Compact low profile package
- One year warranty

SAFETY AGENCY APPROVALS



Specifications:	PSU25 Series:
Input voltage	100-240 VAC (Limits: 90-264VAC)
Input frequency	47 to 63Hz
Input current	0.6A (rms) for 115VAC, 0.4A (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	25 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 $\pm 0.04\%$ / $^{\circ}\text{C}$ 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
Operation temperature	0 $^{\circ}\text{C}$ ~ 40 $^{\circ}\text{C}$
Storage temperature	-40 $^{\circ}\text{C}$ to + 85 $^{\circ}\text{C}$
Relative humidity	5% to 95% non-condensing
Derating	Derated from 100% at +40 $^{\circ}\text{C}$ linearly to 50% at 70 $^{\circ}\text{C}$
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 M ohm minimum from output to ground
Inrush current	15 AMPS @ 115 VAC, or 30 AMPS @ 230 VAC at 25 $^{\circ}\text{C}$ cold start
Withstand voltage	4242VDC from input to output
Mean time between failure	50,000 hours minimum at full load at 25 $^{\circ}\text{C}$ 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



Note:
 1. Weight: Approx 300~350g
 2. Optional output connectors (see page 45)

FIG1

Model	Output#1		Output#2		Output#3		Maximum Output Power
	V nom	I max	V nom	I max	V nom	I max	
PSU25A-13	+5VDC	2.50A	+12VDC	1.00A	N / A		25W
PSU25A-14	+5VDC	2.50A	+15VDC	0.80A	N / A		25W
PSU25A-16	+5VDC	2.50A	+24VDC	0.50A	N / A		25W
PSU25A-13D	+5VDC	2.50A	+12VDC	0.80A	-12DC	0.3A	25W
PSU25A-14E	+5VDC	2.50A	+15VDC	0.50A	-15DC	0.3A	25W
PSU25A-13A	+5VDC	2.50A	+12VDC	0.80A	-5 DC	0.3A	25W

FIG2

Model	Output#1		Output#2		Output#3		Maximum Output Power
	V nom	I max	V nom	I max	V nom	I max	
PSU25B-13	+5VDC	2.50A	+12VDC	1.00A	N / A		25W
PSU25B-14	+5VDC	2.50A	+15VDC	0.80A	N / A		25W
PSU25B-16	+5VDC	2.50A	+24VDC	0.50A	N / A		25W
PSU25B-13D	+5VDC	2.50A	+12VDC	0.80A	-12DC	0.3A	25W
PSU25B-14E	+5VDC	2.50A	+15VDC	0.50A	-15DC	0.3A	25W
PSU25B-13A	+5VDC	2.50A	+12VDC	0.80A	-5 DC	0.3A	25W

FIG3

Model	Output#1		Output#2		Output#3		Maximum Output Power
	V nom	I max	V nom	I max	V nom	I max	
PSU25C-13	+5VDC	2.50A	+12VDC	1.00A	N / A		25W
PSU25C-14	+5VDC	2.50A	+15VDC	0.80A	N / A		25W
PSU25C-16	+5VDC	2.50A	+24VDC	0.50A	N / A		25W
PSU25C-13D	+5VDC	2.50A	+12VDC	0.80A	-12DC	0.3A	25W
PSU25C-14E	+5VDC	2.50A	+15VDC	0.50A	-15DC	0.3A	25W
PSU25C-13A	+5VDC	2.50A	+12VDC	0.80A	-5 DC	0.3A	25W