

# PSU25D SERIES

## 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

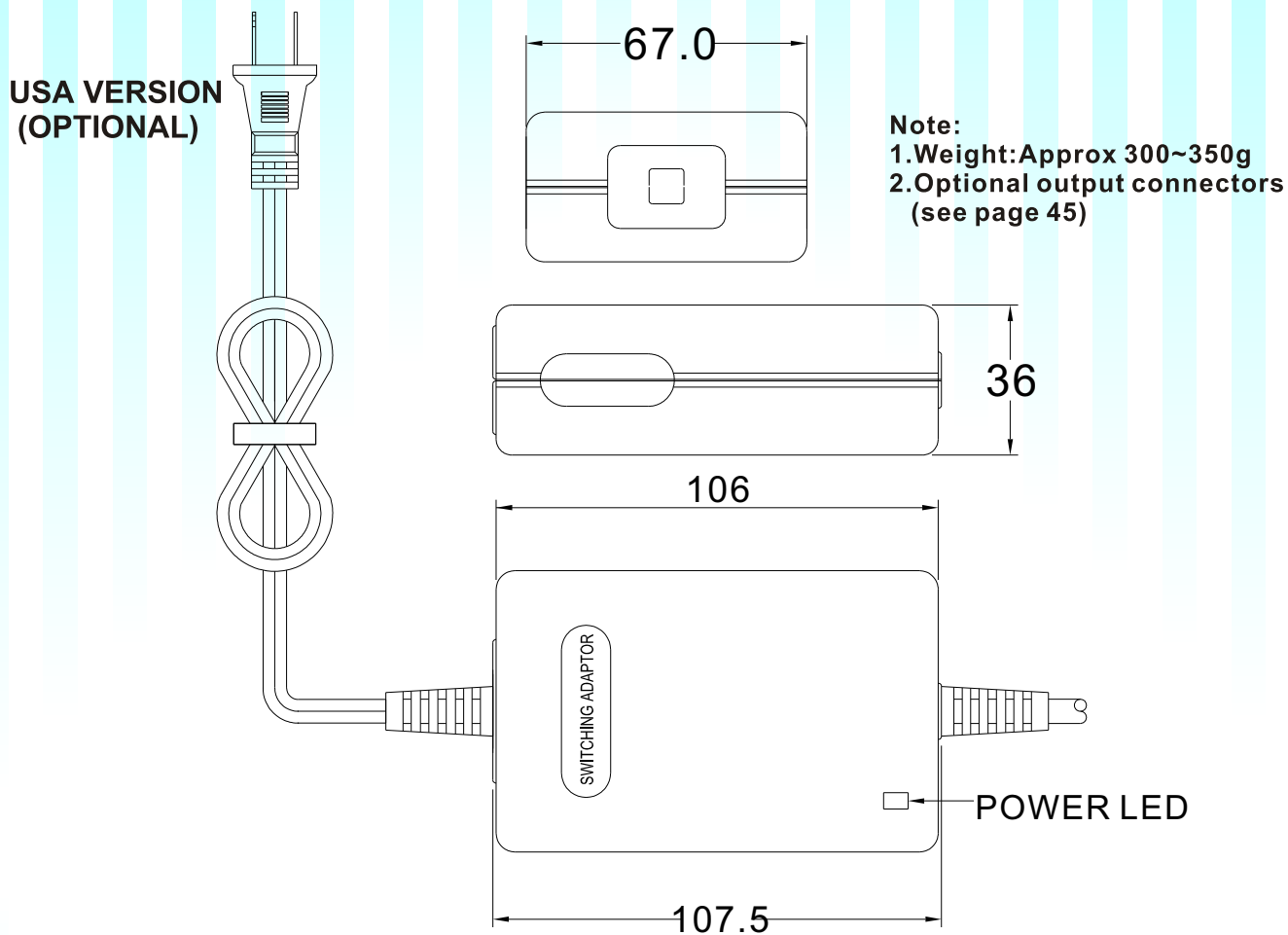
### SAFETY AGENCY APPROVALS



Specifications:	PSU25D 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	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 $\pm 0.04\%$ / °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 ~ 40°C
Storage temperature	-40°C to + 85°C
Relative humidity	5% to 95% non-condensing
Derating	Derated from 100% at +40°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) IEC 950
Warranty	1 year

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UNIT: mm



**X** = **U** American Type (FIG 1) or **E** European Type (FIG 2) or other

Model	Output#1		Output#2		Output#3		Maximum Output Power
	V nom	I max	V nom	I max	V nom	I max	
PSU25D-13-X	+5VDC	2.50A	+12VDC	1.00A	N / A		25W
PSU25D-14-X	+5VDC	2.50A	+15VDC	0.80A	N / A		25W
PSU25D-16-X	+5VDC	2.50A	+24VDC	0.50A	N / A		25W
PSU25D-13D-X	+5VDC	2.50A	+12VDC	0.80A	-12DC	0.3A	25W
PSU25D-14E-X	+5VDC	2.50A	+15VDC	0.50A	-15DC	0.3A	25W
PSU25D-13A-X	+5VDC	2.50A	+12VDC	0.80A	-5 DC	0.3A	25W