

# PSU30D SERIES

## Desktop power supply

### Features:

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

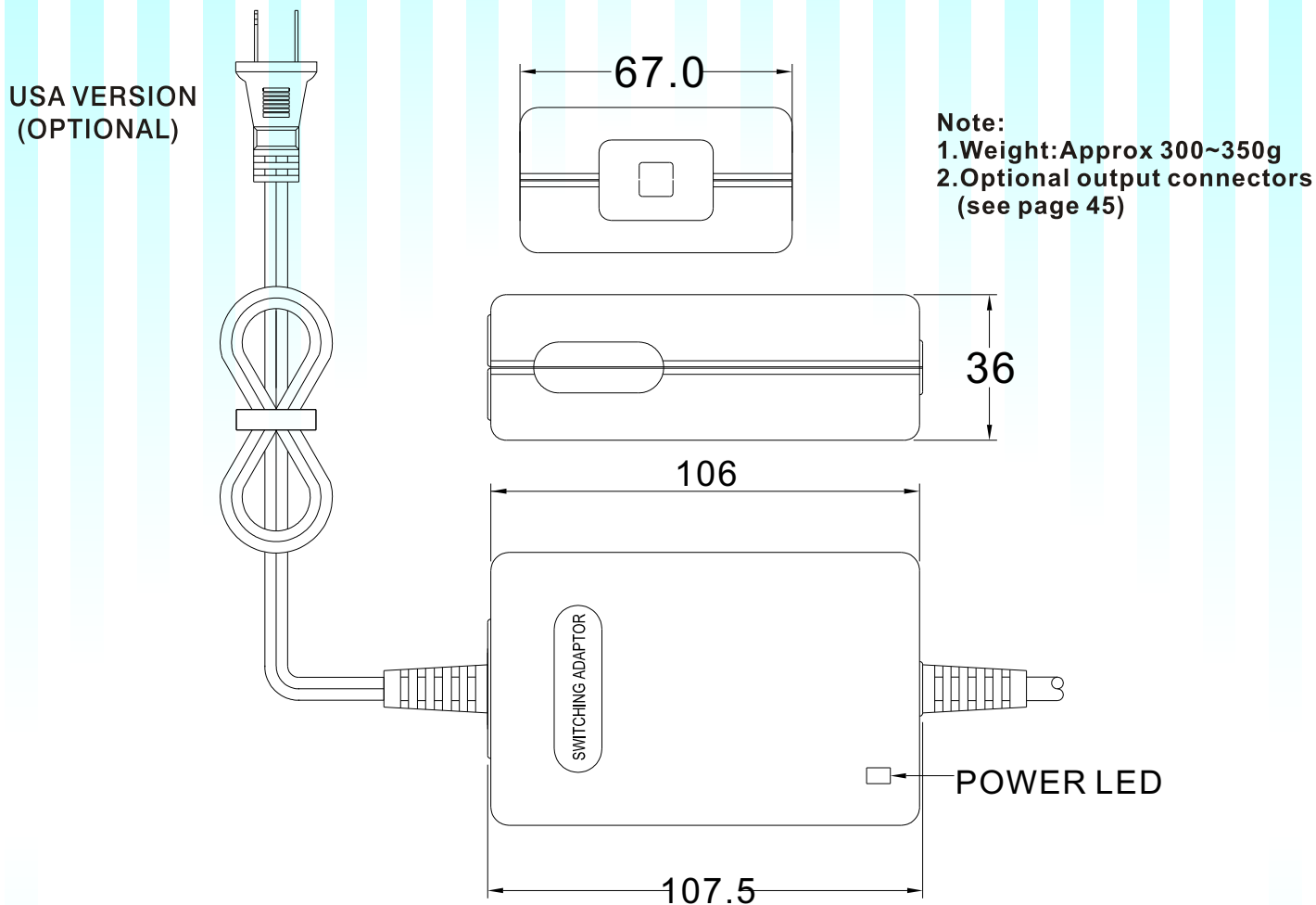
### SAFETY AGENCY APPROVALS



Specifications:	PSU30D 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	27 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 Mohm 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

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UNIT: mm



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

★ ★ Please specify output voltage when ordering.

Model	Output Voltage	Output Current	Maximum Output Power
PSU30D-0-X	3~5 VDC	4.00~2.40A	12W
PSU30D-1-X	5~6 VDC	4.00~3.30A	20W
PSU30D-1-1-X	6~8 VDC	3.83~2.87A	23W
PSU30D-2-X	8~11VDC	3.25~2.36A	26W
PSU30D-3-X	11~13VDC	2.46~2.08A	27W
PSU30D-4-X	13~16VDC	2.08~1.69A	27W
PSU30D-5-X	16~21VDC	1.69~1.29A	27W
PSU30D-6-X	21~27VDC	1.29~1.00A	27W
PSU30D-7-X	27~33VDC	1.00~0.82A	27W
PSU30D-8-X	33~48VDC	0.82~0.57A	27W