

# PSU40D 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



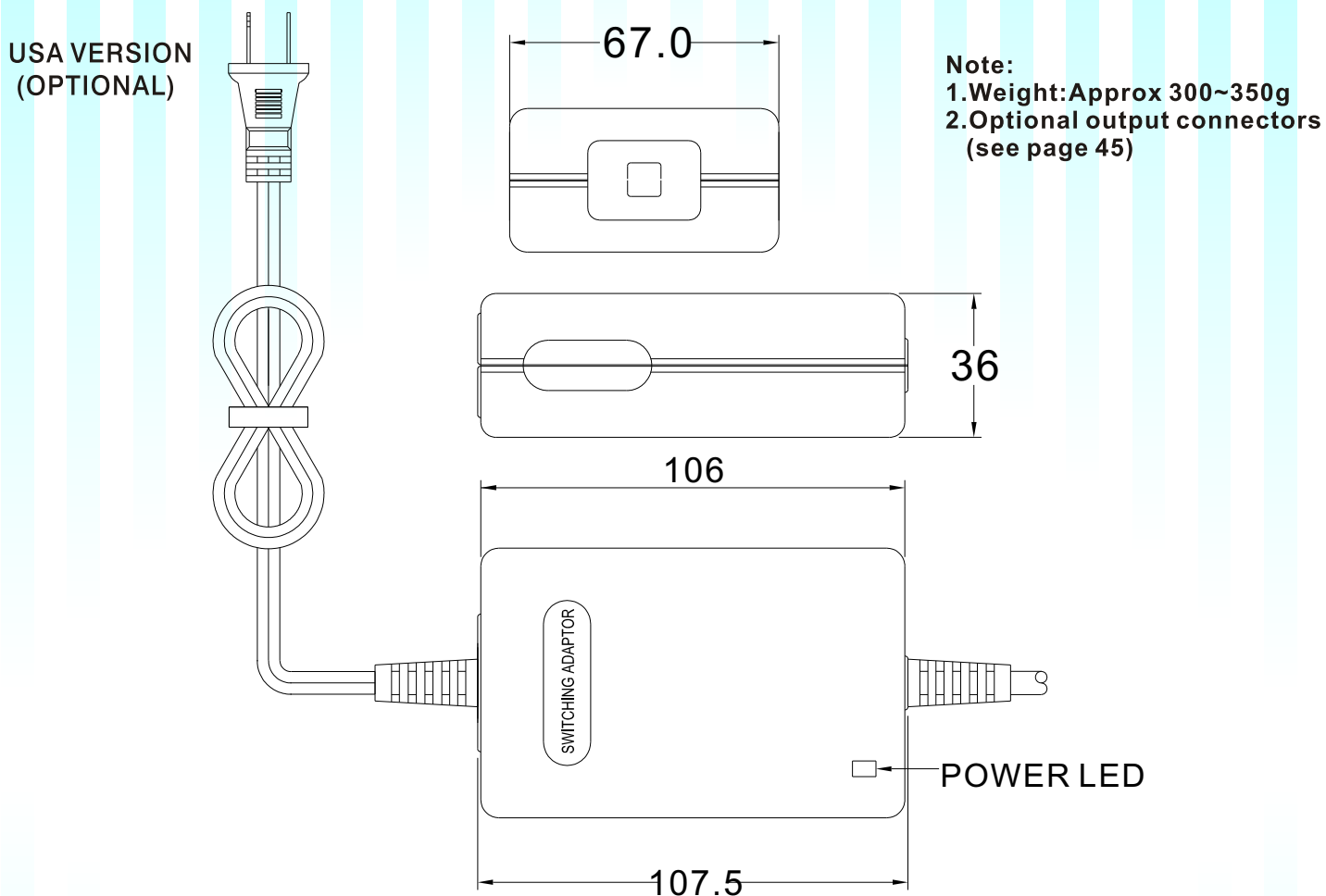
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Specifications:	PSU40D Series:
Input voltage	100-240 VAC (Limits: 90-264VAC)
Input frequency	47 to 63Hz
Input current	0.8A (rms) for 115VAC, 0.6A (rms) for 230 VAC
Safety ground leakage current	0.25mA max @ 240 VAC 50Hz
Output voltage	See rating chart ( $\pm 5\%$ tolerance)
Output current	See rating chart
Output power range	40 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
Operation 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) 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
PSU40D-0-X	3~5 VDC	5.00~3.00A	15W
PSU40D-1-X	5~6 VDC	5.00~4.17A	25W
PSU40D-1-1-X	6~8 VDC	5.00~3.57A	30W
PSU40D-2-X	8~11VDC	4.37~3.18A	35W
PSU40D-3-X	11~13VDC	3.63~3.07A	40W
PSU40D-4-X	13~16VDC	3.07~2.50A	40W
PSU40D-5-X	16~21VDC	2.50~1.90A	40W
PSU40D-6-X	21~27VDC	1.90~1.48A	40W
PSU40D-7-X	27~33VDC	1.48~1.21A	40W
PSU40D-8-X	33~48VDC	1.21~0.83A	40W