

## 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

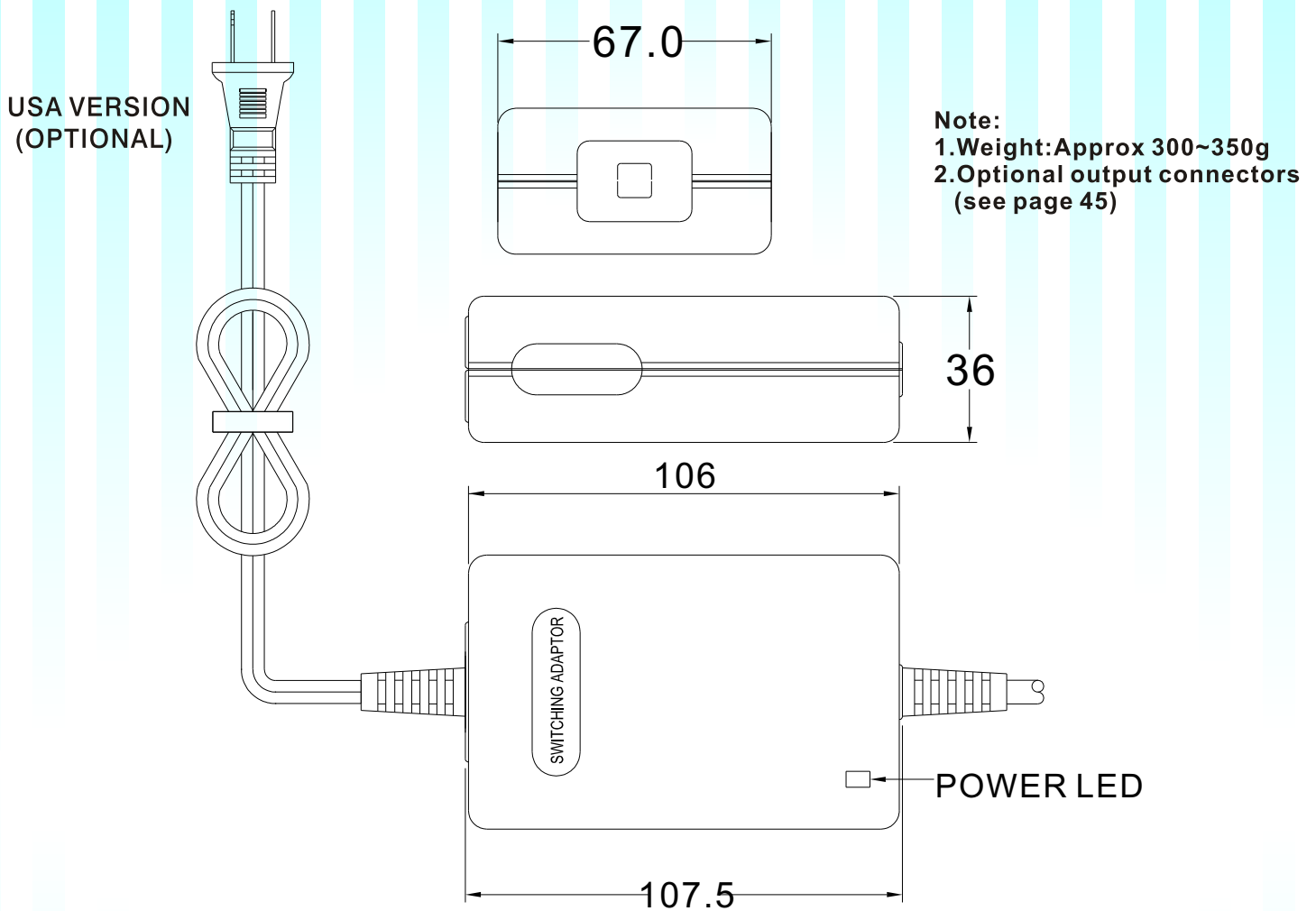


Specifications:	MPU30D Series:
Input voltage	100-240 VAC (Limits: 90-264VAC)
Input frequency	47 to 63Hz
Input current	0.6A (rms) for 115VAC, 0.4A (rms) for 230 VAC
leakage current	0.1mA max. FOR CLASS 2
Output voltage	See rating chart ( $\pm 5\%$ tolerance)
Output current	See rating chart
Output power range	30 watts Maximum
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
Over Temperature protection	130°C Activated
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°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	5656VDC 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) UL2601-1 (B) TUV EN60601-1
Warranty	1 year

# MPU30D SERIES

# FOR MEDICAL

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
MPU30D-0-X	3 ~ 5 VDC	5.00~5.00A	25W
MPU30D-1-X	5 ~ 6 VDC	5.00~4.17A	25W
MPU30D-1-1-X	6 ~ 8 VDC	4.17~3.13A	25W
MPU30D-2-X	8 ~ 11 VDC	3.75~2.73A	30W
MPU30D-3-X	11 ~ 13 VDC	2.73~2.30A	30W
MPU30D-4-X	13 ~ 16 VDC	2.30~1.88A	30W
MPU30D-5-X	16 ~ 21 VDC	1.88~1.43A	30W
MPU30D-6-X	21 ~ 27 VDC	1.43~1.11A	30W
MPU30D-7-X	27 ~ 33 VDC	1.11~0.90A	30W
MPU30D-8-X	33 ~ 48 VDC	0.90~0.63A	30W