PSU25 25W Desktop series

Desktop power supply

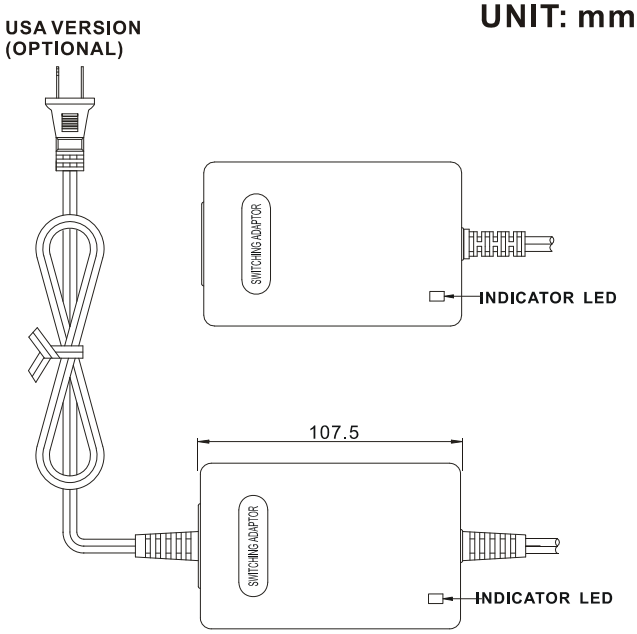
Features:

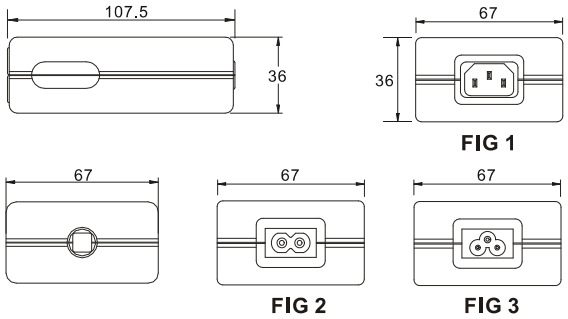
- Universal input voltage
- Dual or triple outputs
- Optional output connectors
- Over voltage protection
- Over current protection
- High efficiency & reliability
- Compact package
- One year limited warranty

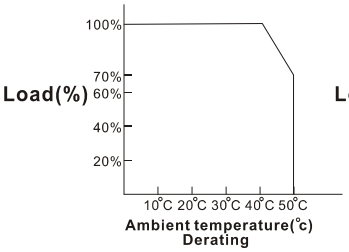
SAFETY AGENCY APPROVALS:

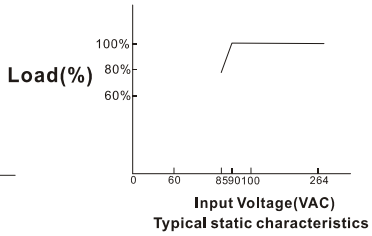
Specifications:	**PSU25 series:**
Input voltage	100~240VAC
Input frequency	50~60Hz(Limits:47~63Hz)
Input current	0.8A Max.
Safety ground leakage current	Class1:3.5mA/Class2:0.25mA Max.@240VAC/50Hz
Output voltage	See rating chart (±5% tolerance)
Output current	See rating chart
Output power range	25 watts 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 output±0.04%/℃ 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℃~+40℃.
Storage temperature	-40℃~+85℃
Relative humidity	5% to 95% non-condensing
Derating	Derated from 100% at + 30℃ linearly to 70% at 50℃
Efficiency	65% minimum at full output
Hold - up time	10msec minimum
Line regulation	±1% maximum for any input voltage change between input voltage range
Load regulation	±5% variations from minimum to maximum output current.
Insulation resistance	50Mohm minimum from input to output
Inrush current	15AMPS@115 VAC or 30AMPS @ 230VAC at 25℃ cold start
Withstand voltage	4242VDC from input to output
Mean time between failure	50,000 hours minimum at full load at 25℃ ambient
EMI requirements	Meet CE standards
Safety requirements	Meets or exceeds(A)UL1950 (B) CSA C22.2 (C) TUV EN60950-1(D)IEC 950
Warranty	1year

UNIT: mm









X=A=IEC-320-C14(FIG1) or B=IEC-320-C8(FIG2) or C=IEC-320-C6(FIG3) or D=MAINS CORD INPUT

Model name	Output#1 Vnom	Imax	Output#2 Vnom	Imax	Output#3 Vnom	Imax	Maximum Output Power
PSU25X-13	+5VDC	2.50A	+12VDC	1.00A	N/A		25W
PSU25X-14	+5VDC	2.50A	+15VDC	0.80A	N/A		25W
PSU25X-16	+5VDC	2.50A	+24VDC	0.50A	N/A		25W
PSU25X-16-1	+5VDC	1.2A	+24VDC	0.80A	N/A		25W
PSU25X-13D	+5VDC	2.50A	+12VDC	0.80A	-12VDC	0.3A	25W
PSU25X-14E	+5VDC	2.50A	+15VDC	0.50A	-15VDC	0.3A	25W
PSU25X-13A	+5VDC	2.50A	+12VDC	0.80A	-5VDC	0.3A	25W

Y: U=American Type or E= European Type

Model name	Output#1 Vnom	Imax	Output#2 Vnom	Imax	Output#3 Vnom	Imax	Maximum Output Power
PSU25D-13-Y	+5VDC	2.50A	+12VDC	1.00A	N/A		25W
PSU25D-14-Y	+5VDC	2.50A	+15VDC	0.80A	N/A		25W
PSU25D-16-Y	+5VDC	2.50A	+24VDC	0.50A	N/A		25W
PSU25D-16-1-Y	+5VDC	1.2A	+24VDC	0.80A	N/A		25W
PSU25D-13D-Y	+5VDC	2.50A	+12VDC	0.80A	-12VDC	0.3A	25W
PSU25D-14E-Y	+5VDC	2.50A	+15VDC	0.50A	-15VDC	0.3A	25W
PSU25D-13A-Y	+5VDC	2.50A	+12VDC	0.80A	-5VDC	0.3A	25W

Note:

(1) Weight: Approx 300~350g

(2)Optional output connectors (see page 75)