

Desktop power supply

Features:

- Universal input voltage
- Optional input inlets
- 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:	PSU30 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	Class 1 (3.5mA) Class 2 (0.25 max) @ 240 VAC 50Hz
Output voltage	See rating chart ($\pm 5\%$ tolerance)
Output current	See rating chart
Output power range	27 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
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 M ohm 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

UNIT: mm

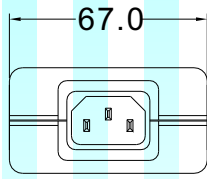
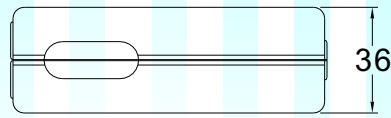


FIG 1



Note:
 1. Weight: Approx 300~350g
 2. Optional output connectors (see page 45)

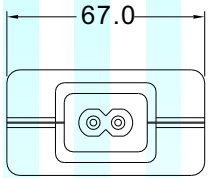


FIG 2

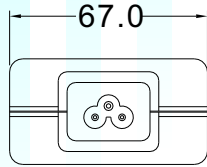
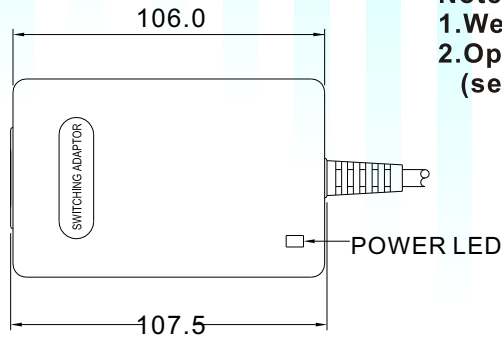


FIG 3



**** Please specify output voltage when ordering**

Model	Output Voltage	Output Current	Maximum Output Power	INPUT INLET
PSU30A-0	3~5 VDC	4.00~2.40A	12W	FIG 1
PSU30A-1	5~6 VDC	4.00~3.30A	20W	FIG 1
PSU30A-1-1	6~8 VDC	3.83~2.87A	23W	FIG 1
PSU30A-2	8~11VDC	3.25~2.36A	26W	FIG 1
PSU30A-3	11~13VDC	2.46~2.08A	27W	FIG 1
PSU30A-4	13~16VDC	2.08~1.69A	27W	FIG 1
PSU30A-5	16~21VDC	1.69~1.29A	27W	FIG 1
PSU30A-6	21~27VDC	1.29~1.00A	27W	FIG 1
PSU30A-7	27~33VDC	1.00~0.82A	27W	FIG 1
PSU30A-8	33~48VDC	0.82~0.57A	27W	FIG 1
PSU30B-0	3~5 VDC	4.00~2.40A	12W	FIG 2
PSU30B-1	5~6 VDC	4.00~3.30A	20W	FIG 2
PSU30B-1-1	6~8 VDC	3.83~2.87A	23W	FIG 2
PSU30B-2	8~11VDC	3.25~2.36A	26W	FIG 2
PSU30B-3	11~13VDC	2.46~2.08A	27W	FIG 2
PSU30B-4	13~16VDC	2.08~1.69A	27W	FIG 2
PSU30B-5	16~21VDC	1.69~1.29A	27W	FIG 2
PSU30B-6	21~27VDC	1.29~1.00A	27W	FIG 2
PSU30B-7	27~33VDC	1.00~0.82A	27W	FIG 2
PSU30B-8	33~48VDC	0.82~0.57A	27W	FIG 2
PSU30C-0	3~5 VDC	4.00~2.40A	12W	FIG 3
PSU30C-1	5~6 VDC	4.00~3.30A	20W	FIG 3
PSU30C-1-1	6~8 VDC	3.83~2.87A	23W	FIG 3
PSU30C-2	8~11VDC	3.25~2.36A	26W	FIG 3
PSU30C-3	11~13VDC	2.46~2.08A	27W	FIG 3
PSU30C-4	13~16VDC	2.08~1.69A	27W	FIG 3
PSU30C-5	16~21VDC	1.69~1.29A	27W	FIG 3
PSU30C-6	21~27VDC	1.29~1.00A	27W	FIG 3
PSU30C-7	27~33VDC	1.00~0.82A	27W	FIG 3
PSU30C-8	33~48VDC	0.82~0.57A	27W	FIG 3