

PSU15 SERIES

Desktop power supply

Features:

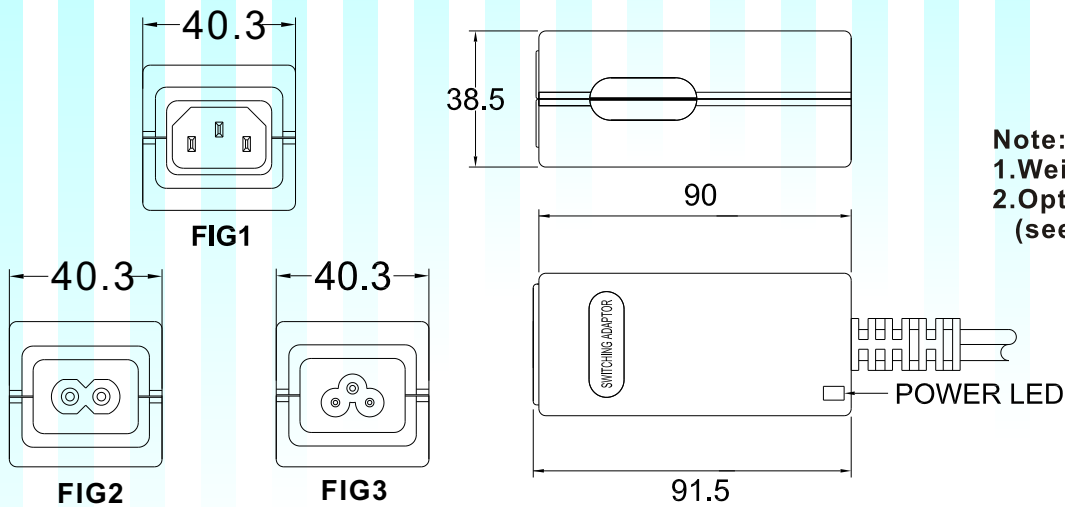
- Universal input voltage
- Optional input inlets
- Single output
- Pass LPS
- Optional output connectors
- Short circuit protection
- High efficiency & reliability
- Compact low profile package
- One year warranty

SAFETY AGENCY APPROVALS



Specifications:	PSU15 Series:
Input voltage	100-240 VAC (Limits: 90-264VAC)
Input frequency	47 to 63Hz
Input current	0.43A (rms) for 115VAC, 0.23A (rms) for 230 VAC
Safety ground leakage current	Class 1 (3.5mA) Class 2 (0.25mA) max @ 240 VAC 50Hz
Output voltage	See rating chart ($\pm 5\%$ tolerance)
Output current	See rating chart
Output power range	15 watts Max
Ripple	1 % peak to peak maximum
Over voltage protection	N/A
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
Operating 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) IEC 950
Warranty	1 year

UNIT: mm



Note:
 1. Weight: Approx 200~250g
 2. Optional output connectors
 (see page 45)

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

Model	Output Voltage	Output Current	Maximum Output Power	INPUT INLET
PSU15A-0	3~5 VDC	2.40~1.44A	7.2W	FIG 1
PSU15A-1	5~6 VDC	2.40~2.00A	12W	FIG 1
PSU15A-1-1	6~8 VDC	2.00~1.50A	12W	FIG 1
PSU15A-2	8~11VDC	1.87~1.36A	15W	FIG 1
PSU15A-3	11~13VDC	1.36~1.15A	15W	FIG 1
PSU15A-4	13~16VDC	1.15~0.94A	15W	FIG 1
PSU15A-5	16~21VDC	0.94~0.72A	15W	FIG 1
PSU15A-6	21~27VDC	0.72~0.55A	15W	FIG 1
PSU15A-7	27~33VDC	0.55~0.45A	15W	FIG 1
PSU15A-8	33~48VDC	0.45~0.31A	15W	FIG 1
PSU15B-0	3~5 VDC	2.40~1.44A	7.2W	FIG 2
PSU15B-1	5~6 VDC	2.40~2.00A	12W	FIG 2
PSU15B-1-1	6~8 VDC	2.00~1.50A	12W	FIG 2
PSU15B-2	8~11VDC	1.87~1.36A	15W	FIG 2
PSU15B-3	11~13VDC	1.36~1.15A	15W	FIG 2
PSU15B-4	13~16VDC	1.15~0.94A	15W	FIG 2
PSU15B-5	16~21VDC	0.94~0.72A	15W	FIG 2
PSU15B-6	21~27VDC	0.72~0.55A	15W	FIG 2
PSU15B-7	27~33VDC	0.55~0.45A	15W	FIG 2
PSU15B-8	33~48VDC	0.45~0.31A	15W	FIG 2
PSU15C-0	3~5 VDC	2.40~1.44A	7.2W	FIG 3
PSU15C-1	5~6 VDC	2.40~2.00A	12W	FIG 3
PSU15C-1-1	6~8 VDC	2.00~1.50A	12W	FIG 3
PSU15C-2	8~11VDC	1.87~1.36A	15W	FIG 3
PSU15C-3	11~13VDC	1.36~1.15A	15W	FIG 3
PSU15C-4	13~16VDC	1.15~0.94A	15W	FIG 3
PSU15C-5	16~21VDC	0.94~0.72A	15W	FIG 3
PSU15C-6	21~27VDC	0.72~0.55A	15W	FIG 3
PSU15C-7	27~33VDC	0.55~0.45A	15W	FIG 3
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