

GPSU30

SERIES

Desktop Switching power Supply

Features:

- Universal input voltage
- Single output
- Pass LPS
- Optional output connectos
- Short circuit protection
- Over voltage protection
- Over current protection
- No load power consumption<0.5w

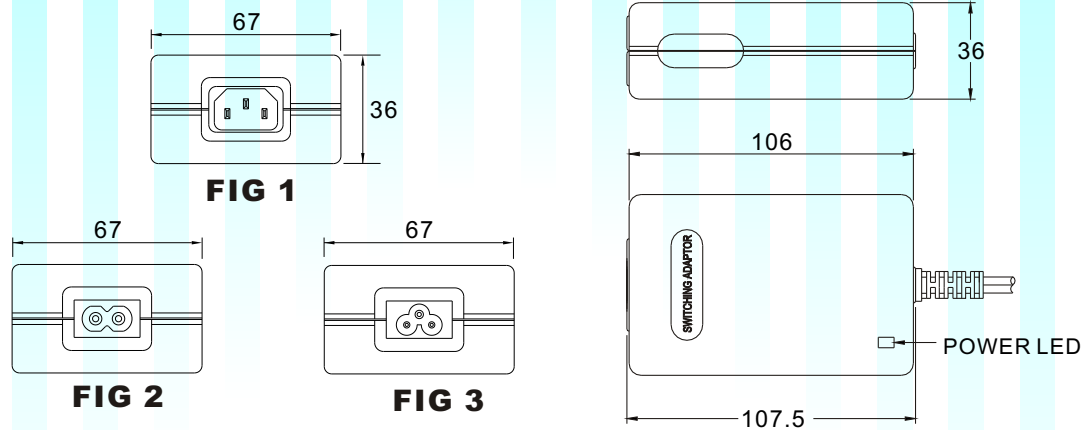
SAFETY AGENCY APPROVALS



Specifications:	GPSU30 Series:
Input voltage	100~240 VAC
Input frequency	47~63 Hz
Input current	0.7(rms) for 115VAC;0.3(rms) for 230VAC
Safety ground leakage current	Class1:3.5mA/Class2:0.25mA max@240VAC/50Hz
Output voltage	See rating chart
Output current	See rating chart
Output power range	See rating chart
Output ripple	1 % peak to peak maximum
Over voltage protection	Yes(Provided by Zener clamp)
Over current protection	Yes
Short protection	Yes
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 500n/Sec after a 25% step load change
Operating 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 load(See item)
Hold-up time	10m/Sec 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	15Amps @ 115VAC;30 Amps @ 230VAC at 25°C cold start
Withstand voltage	4242VDC from input to output
Mean time between failure	100,000 hours minimum at full load at 25°C ambient
EMI requirements	(A)CE (B)FCC(C)VCCI
Safety requirements	(A)UL60950-1;CSA C22.2 (B)EN60950-1;IEC60950-1
Warranty	1 year



UNIT: mm



Output voltage and current table

	Model	Output Voltage	Output Current	Maximum Output Power	Input inlet
★	GPSU30A-0	3~5 VDC	5Amax	15~25W	FIG 1
★	GPSU30A-1	5~6 VDC	5.00~4.17A	25.02W	FIG 1
★	GPSU30A-1-1	6~8 VDC	4.15~3.13A	25.04W	FIG 1
	GPSU30A-2	8~11 VDC	3.71~2.73A	30.03W	FIG 1
	GPSU30A-3	11~13 VDC	2.70~2.31A	30.03W	FIG 1
	GPSU30A-4	13~16 VDC	2.29~1.88A	30.08W	FIG 1
	GPSU30A-5	16~21 VDC	1.86~1.43A	30.03W	FIG 1
	GPSU30A-6	21~27 VDC	1.43~1.12A	30.24W	FIG 1
	GPSU30A-7	27~33 VDC	1.12~0.91A	30.24W	FIG 1
	GPSU30A-8	33~50 VDC	0.91~0.61A	30.50W	FIG 1
★	GPSU30B-0	3~5 VDC	5Amax	15~25W	FIG 2
★	GPSU30B-1	5~6 VDC	5.00~4.17A	25.02W	FIG 2
★	GPSU30B-1-1	6~8 VDC	4.15~3.13A	25.04W	FIG 2
	GPSU30B-2	8~11 VDC	3.71~2.73A	30.03W	FIG 2
	GPSU30B-3	11~13 VDC	2.70~2.31A	30.03W	FIG 2
	GPSU30B-4	13~16 VDC	2.29~1.88A	30.08W	FIG 2
	GPSU30B-5	16~21 VDC	1.86~1.43A	30.03W	FIG 2
	GPSU30B-6	21~27 VDC	1.43~1.12A	30.24W	FIG 2
	GPSU30B-7	27~33 VDC	1.12~0.91A	30.24W	FIG 2
	GPSU30B-8	33~50 VDC	0.91~0.61A	30.50W	FIG 2
★	GPSU30C-0	3~5 VDC	5Amax	15~25W	FIG 3
★	GPSU30C-1	5~6 VDC	5.00~4.17A	25.02W	FIG 3
★	GPSU30C-1-1	6~8 VDC	4.15~3.13A	25.04W	FIG 3
	GPSU30C-2	8~11 VDC	3.71~2.73A	30.03W	FIG 3
	GPSU30C-3	11~13 VDC	2.70~2.31A	30.03W	FIG 3
	GPSU30C-4	13~16 VDC	2.29~1.88A	30.08W	FIG 3
	GPSU30C-5	16~21 VDC	1.86~1.43A	30.03W	FIG 3
	GPSU30C-6	21~27 VDC	1.43~1.12A	30.24W	FIG 3
	GPSU30C-7	27~33 VDC	1.12~0.91A	30.24W	FIG 3
	GPSU30C-8	33~50 VDC	0.91~0.61A	30.50W	FIG 3

★ NO LPS SAFETY

