

Desktop power supply

Features:

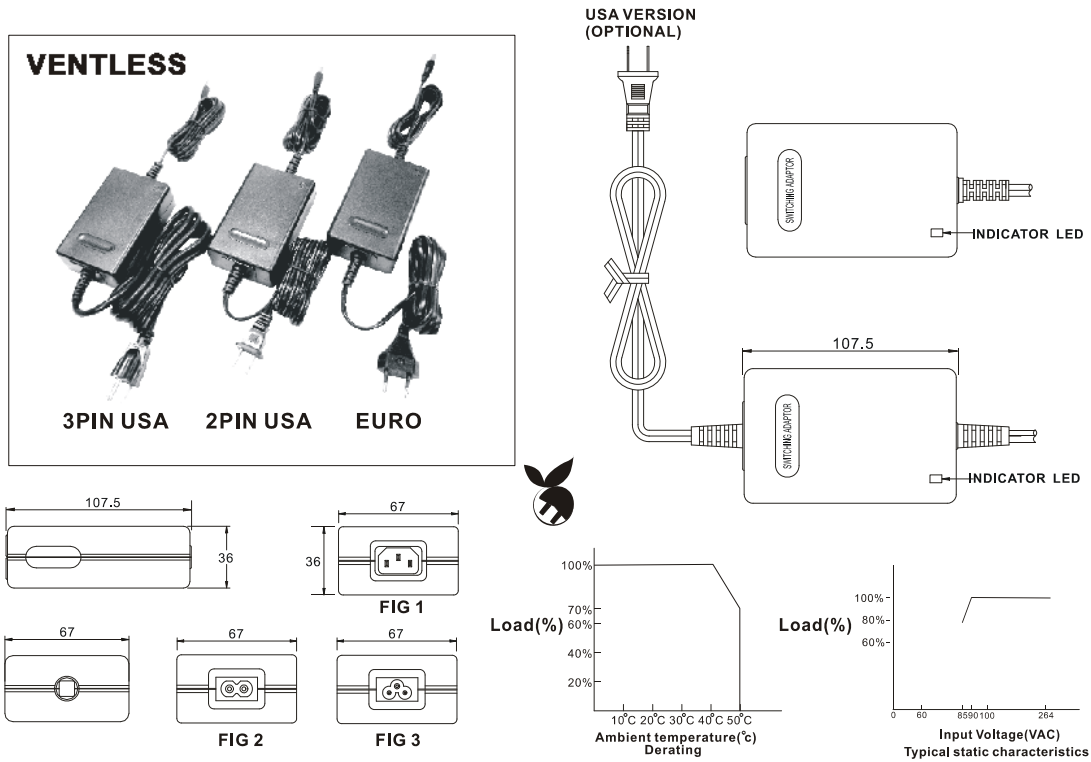
- Universal input voltage
- Single output
- Pass LPS for 8~50V output
- Optional output connectors
- Short circuit protection
- Over voltage protection
- Over current protection
- No load power consumption<0.3W
- Vout above 9V meet ENERGY STAR V
- One year limited warranty



SAFETY AGENCY APPROVALS:



Specifications:	GPSU30 series:
Input voltage	100~240VAC
Input frequency	50~60Hz (Limits:47~63Hz)
Input current	0.7A Max.
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
Ripple	1% peak to peak maximum. See rating chart
Over voltage protection	Yes. Protected by Zener diode. Rated output voltage 110~140%
Over current protection	Yes. Hiccup mode; Auto-recovery. Rated output current>110%
Short circuit protection	Yes. Hiccup mode; Auto-recovery.
Temperature coefficient	All output±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.
Operating temperature	0°C~+40°C . See derating curve
Storage temperature	-40°C~+85°C
Relative humidity	5% to 95% non-condensing
Derating	Derated from 100% at + 40°C linearly to 70% at 50°C
Avg. Efficiency	See rating chart
Setup up / Hold up / Rise time	Typical:200ms/ 10ms/50ms at full load
Line regulation	±1% maximum for any input voltage change between input voltage range
Load regulation	Typical±5% variations from minimum to maximum output current. Or see rating chart
Insulation resistance	50Mohm minimum from input to output
Inrush current	20AMPS@115 VAC ; 60AMPS @ 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:Emission:EN55022;EN61000-3-2,3/Immunity:IEC61000-4-2,3,4,5,6,11 (B)FCC 47 CFR Part 15 Subpart B .ICES-003 Issue 4 ANSI C63.4-2003 (C)VCCI:J55022(H14)V-3 / 06.04 and V-4/06.04
Safety requirements	(A)UL60950-1; CSA C22.2 (B) EN60950-1;IEC60950-1 (C) J60950
Warranty	1year



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 Voltage(VDC)	Output Current(A)	Max. Output Power (W)	Ripple(mV) Max.	Line Regulation (%)	Load Regulation (%)	Avg. EFF (%) 25,50,75,100% load	No load Power Consumption(W)	Measured at the output of
*GPSU30X-0	3~5	5	15~25	50	±0.5	8(Note1)	64	<0.3	3.3
*GPSU30X-1	5~6	5.00~4.17	25	50	±0.5	8(Note1)	70	<0.3	5
*GPSU30X-1-1	6~8	4.15~3.13	25	80	±0.5	±5	76	<0.3	7.5
GPSU30X-2	8~11	3.71~2.73	30	80	±0.5	±5	83.49	<0.3	9
GPSU30X-3	11~13	2.70~2.31	30	120	±0.5	±5	83.49	<0.3	12
GPSU30X-4	13~16	2.29~1.88	30	140	±0.5	±3	83.49	<0.3	15
GPSU30X-5	16~21	1.86~1.43	30	140	±0.5	±3	84	<0.3	18
GPSU30X-6	21~27	1.43~1.12	30	150	±0.5	±3	84	<0.3	24
GPSU30X-7	27~33	1.12~0.91	30	240	±0.5	±2	84	<0.3	28
GPSU30X-8	33~50	0.91~0.61	30.5	240	±0.5	±2	84	<0.3	48

Y: U1=3Pin American type AC power cord (with FG) or U=2Pin American type AC power cord or E=European type AC power cord

Model name	Output Voltage(VDC)	Output Current(A)	Max. Output Power (W)	Ripple(mV) Max.	Line Regulation (%)	Load Regulation (%)	Avg. EFF (%) 25,50,75,100% load	No load Power Consumption(W)	Measured at the output of
*GPSU30D-0-Y	3~5	5	15~25	50	±0.5	8(Note1)	64	<0.3	3.3
*GPSU30D-1-Y	5~6	5.00~4.17	25	50	±0.5	8(Note1)	70	<0.3	5
*GPSU30D-1-1-Y	6~8	4.15~3.13	25	80	±0.5	±5	76	<0.3	7.5
GPSU30D-2-Y	8~11	3.71~2.73	30	80	±0.5	±5	83.49	<0.3	9
GPSU30D-3-Y	11~13	2.70~2.31	30	120	±0.5	±5	83.49	<0.3	12
GPSU30D-4-Y	13~16	2.29~1.88	30	140	±0.5	±3	83.49	<0.3	15
GPSU30D-5-Y	16~21	1.86~1.43	30	140	±0.5	±3	84	<0.3	18
GPSU30D-6-Y	21~27	1.43~1.12	30	150	±0.5	±3	84	<0.3	24
GPSU30D-7-Y	27~33	1.12~0.91	30	240	±0.5	±2	84	<0.3	28
GPSU30D-8-Y	33~50	0.91~0.61	30.5	240	±0.5	±2	84	<0.3	48

*NO LPS SAFETY

Note: (1) The load regulation c/be at ±5% with remote sensor

(2) Weight: Approx300~400g

(3) Optional output connectors (see page 75)

(4) ENERGY STAR V standard output cable

8~11V: SPT-2_16AWG_4FT

11~50V: SPT-1_18AWG_6FT