

Desktop power supply

Features:

- Meet ENERGY STAR V
- CE compliance
- Over voltage protection installation
- Short circuit protective installation
- Over current protective optional

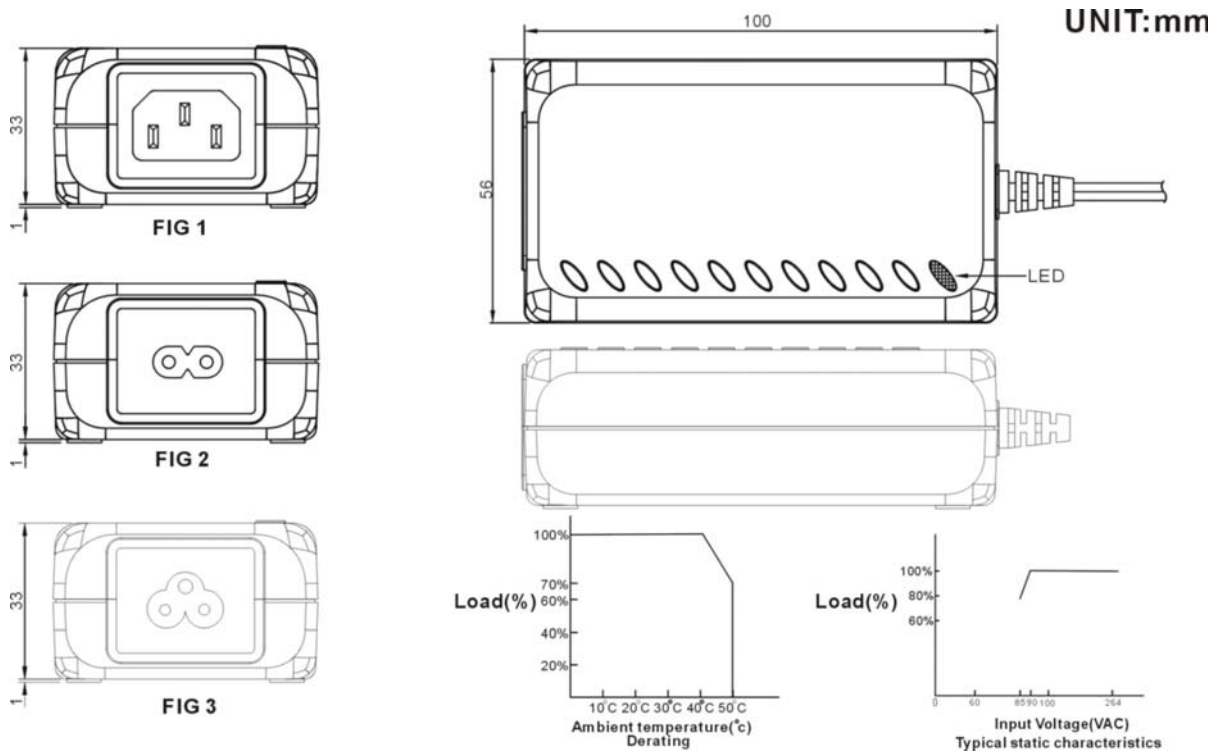


**SAFETY AGENCY APPROVALS:**



**CE CB LPS**

Specifications:	GPSU50 series:
Input voltage	100~240VAC
Input frequency	50~60Hz (Limits:47~63Hz)
Input current	1.5A 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	2% peak to peak maximum
Over voltage protection	Yes. Auto-recovery
Over current protection	Yes. Auto-recovery
Short circuit protection	Yes. 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
Efficiency	87% Typical
Setup up/Hold - up/ Rise time	Typical:1000ms / 10ms / 50ms at full load
Line regulation	±2% maximum for any input voltage change between input voltage range
Load regulation	Typical ±5% variations from minimum to maximum output current.
Insulation resistance	50Mohm minimum from input to output
Inrush current	100AMPS @ 230VAC at 25°C cold start
Withstand voltage	4242VDC from input to output
Mean time between failure	40000 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
Safety requirements	(A)UL60950-1 CSA C22.2 (B)EN60950-1; IEC60950-1
Warranty	1year



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

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)
GPSU50X-4	12	4.16	50	250	±2	±5	87	<0.5
GPSU50X-4	12.5	4.0	50	250	±2	±5	87	<0.5
GPSU50X-4	13	3.84	50	250	±2	±5	87	<0.5
GPSU50X-4	13.5	3.70	50	250	±2	±5	87	<0.5
GPSU50X-4	14	3.57	50	250	±2	±5	87	<0.5
GPSU50X-4	14.5	3.44	50	250	±2	±5	87	<0.5
GPSU50X-4	15	3.33	50	250	±2	±5	87	<0.5
GPSU50X-4	15.5	3.22	50	250	±2	±5	87	<0.5
GPSU50X-4	16	3.12	50	250	±2	±5	87	<0.5
GPSU50X-4	16.5	3.03	50	250	±2	±5	87	<0.5
GPSU50X-4	17	2.94	50	250	±2	±5	87	<0.5

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

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)
GPSU50X-6	18	2.77	50	250	±2	±5	87	<0.5
GPSU50X-6	18.5	2.70	50	250	±2	±5	87	<0.5
GPSU50X-6	19	2.63	50	250	±2	±5	87	<0.5
GPSU50X-6	19.5	2.56	50	250	±2	±5	87	<0.5
GPSU50X-6	20	2.50	50	250	±2	±5	87	<0.5
GPSU50X-6	20.5	2.43	50	250	±2	±5	87	<0.5
GPSU50X-6	21	2.38	50	250	±2	±5	87	<0.5
GPSU50X-6	21.5	2.32	50	250	±2	±5	87	<0.5
GPSU50X-6	22	2.27	50	250	±2	±5	87	<0.5
GPSU50X-6	22.5	2.22	50	250	±2	±5	87	<0.5
GPSU50X-6	23	2.17	50	250	±2	±5	87	<0.5
GPSU50X-6	23.5	2.12	50	250	±2	±5	87	<0.5
GPSU50X-6	24	2.08	50	250	±2	±5	87	<0.5

Note:

(1) Weight: Approx250g

(2) Optional output connectors (see page 75)