

Desktop power supply

Features:

- Universal input voltage
- Single output
- Short circuit protection
- Over voltage protection
- Over current protection
- Meet ENERGY STAR 2.0
- Low leakage current
- Output voltage 5~58VDC

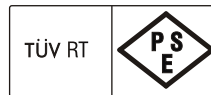


FIG 1

FIG 2



SAFETY AGENCY APPROVALS



Specifications:	GPSU70 Series:
Input voltage	100~240 VAC
Input frequency	50~60Hz (Limits: 47 ~ 63Hz)
Input current	1.8~0.8A Max.
Leakage current	<0.3mA
Output voltage	See rating chart
Output current	See rating chart
Output power range	See rating chart
Ripple	See rating chart
Over voltage protection	Yes.<140% output voltage
Over current protection	Yes.>120%, Auto-recover
Short protection	Yes. Hiccup mode, Auto-recover
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	-20 $^{\circ}\text{C}$ ~+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	A V G. Efficiency 87%
Hold-up time	8mS min.
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 input to ground
Inrush current	100 AMPS @ 230 VAC at 25 $^{\circ}\text{C}$ cold start
Withstand voltage	4242VDC from input to output
Mean time between failure	100,000 hours minimum at full load at 25 $^{\circ}\text{C}$ ambient
EMI requirements	Meet CE : EN55022 CLASS B ; EN55024 ; J55022(H22)
Safety requirements	(A) UL: 60950-1 (B) EN60950-1 (C)J60950-1(H22)
Warranty	1 year

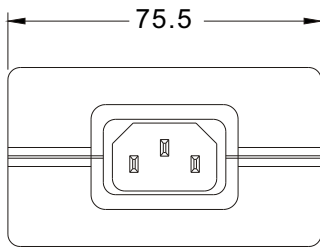


FIG1

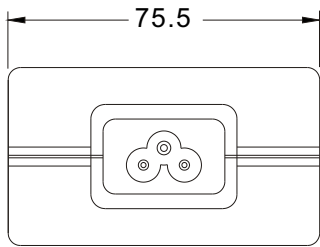
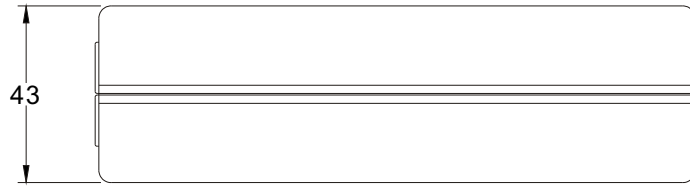
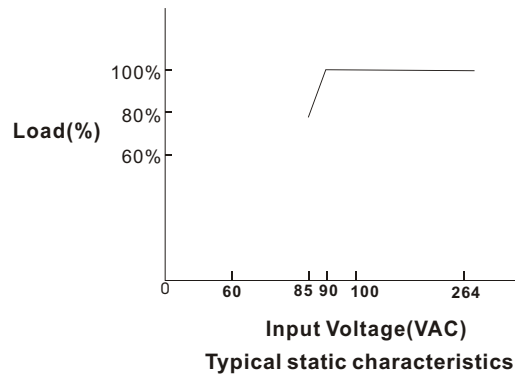
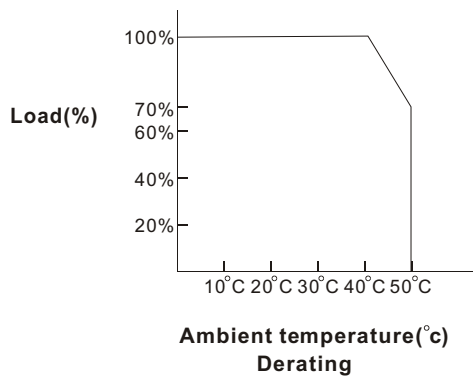
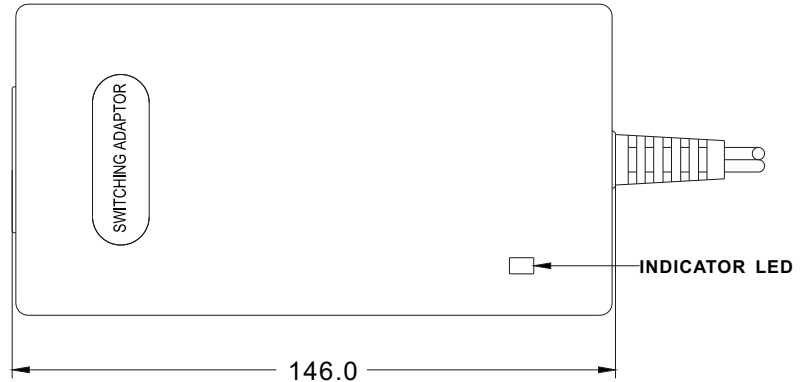


FIG2



X:A= (C14 FIG1) or C= (C6 FIG2)

Model name	Output Voltage(VDC)	Output Current(A)	Max.Output power(W)	Ripple.(mV) max.	Line Regulation(%)	Load Regulation(%)	Avg.Eff.(%)	Measured at the output of
GPSU70X-1	5~6	7.50~6.36	37.5	100	±1	±5	83.4	5
GPSU70X-1-1	6~8	7.50~5.63	45	100	±1	±5	86.10	7.5
GPSU70X-2	8~11	7.50~5.46	60	120	±1	±5	87	9
GPSU70X-3	11~13	6.37~5.39	70	120	±1	±5	87	12
GPSU70X-4	13~16	5.39~4.38	70	120	±1	±5	87	15
GPSU70X-5	16~21	4.38~3.34	70	180	±1	±5	87	18
GPSU70X-6	21~27	3.34~2.60	70	180	±1	±5	87	24
GPSU70X-7	27~33	2.60~2.13	70	240	±1	±5	87	32
GPSU70X-8	33~58	2.13~1.22	70	240	±1	±5	87	48

Note:

1.Weight:Approx 370~375g

2.Optional output connectors(see page 72)

3.ENERGY STAR V Standard Output cable:

5~16V: UL1571 14AWG 4FT

17~58V: SPT-1 18AWG 6FT