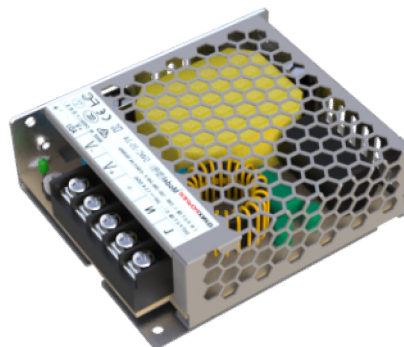


Features

- Slim and Low Profile
- Protections: Short circuit / Over voltage / Over current / Over temperature
- Energy Efficiency $\geq 89\%$ -92% depends on models
- MTBF > 50,000 hours
- Fanless and Conduction-cooled Design
- Withstand 300VAC Surge Input for 5 seconds
- Built-in Remote ON-OFF Control
- DC OK Active Signal
- LED Indicator

Enclosed AC/DC Switching Power Supply



General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
S100W-12	120W	12V	0A	10A	$\pm 0.5\%$	$\pm 0.5\%$	100mV
S100W-24	120W	24V	0A	5A	$\pm 0.5\%$	$\pm 0.5\%$	120mV
S100W-36	120W	36V	0A	3.5A	$\pm 0.5\%$	$\pm 0.5\%$	150mV
S100W-48	120W	48V	0A	3A	$\pm 0.5\%$	$\pm 0.5\%$	200mV

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.

3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 2A$
- Inrush Current: $\leq 40A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 1s$

PROTECTION

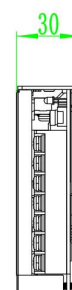
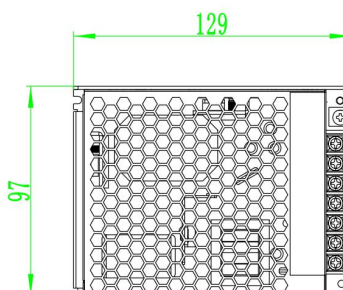
- Short Circuit Protection: Latch-off or Auto Recovery
- Over Current Protection: Latch-off or Auto Recovery
- Over Voltage Protection: Latch-off or Auto Recovery
- Over Temperature Protection: Latch-off or Auto Recovery

ENVIRONMENT

- Operating Temperature: -30 to $70^\circ C$
- Storage Temperature: -40 to $85^\circ C$
- Operating Humidity: -20 to $90^\circ C$
- Storage Humidity: -10 to $95^\circ C$

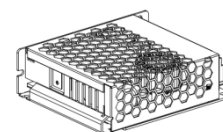
MECHANICAL

Unit: mm

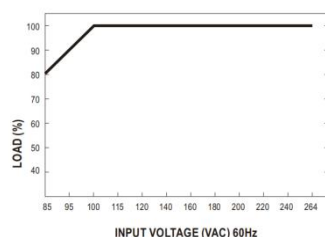
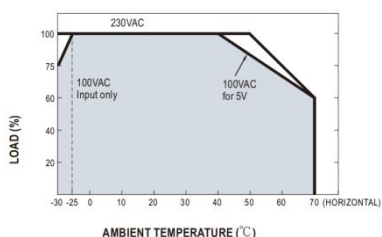


• Mechanical Size: 129L x 97W x 30H (mm)

• Weight: 0.3 Kg



DERATING CURVE



Pin No.	Assignment
1	AC/L
2	AC/N
3	$\varnothing$
4/5	-V
6/7	+V

SAFETY

- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035)