

# EPL1181 Series

• 180W Max.

## Enclosed AC/DC Switching Power Supply



### Features

- Applicable to Photographic lamp
- 100-240VAC Universal Input
- Constant voltage
- Protections:  
Short circuit / Over voltage / Over current  
Over Temperature (optional)
- Energy Efficiency  $\geq 92\%$  230VAC Full Load
- MTBF > 50,000 hours

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN.	MAX.	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
			LOAD(Io)	LOAD(Io)			
EPL1181	180W	15V	0A	12A	$\pm 5\%$	$\pm 1\%$	150mV
EPL1181	180W	48V	0A	3.75A	$\pm 5\%$	$\pm 1\%$	480mV

### 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)  $\geq V_o \times I_o$

### Electrical Specification

#### INPUT

- Input Range: 100 to 240VAC
- Frequency: 50 to 60Hz
- Input Current:  $\leq 3.15A$
- Inrush Current: 50A/115VAC 100A/230VAC
- Hold Up Time:  $\geq 8ms$
- Turn On Time:  $\leq 3s$

#### OUTPUT

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

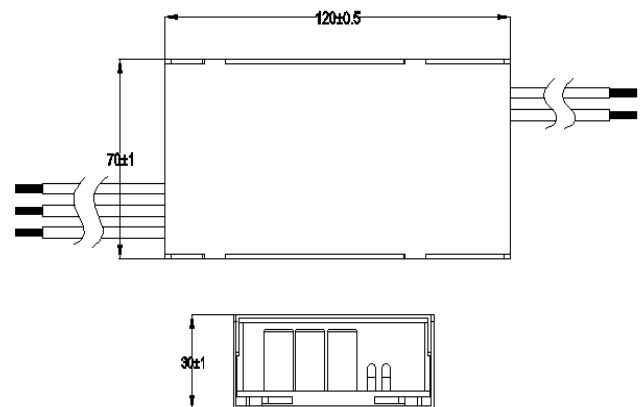
#### ENVIRONMENT

- Operating Temperature: 0 to 50°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 95 %

#### SAFETY

- Complied with TUV EN 61347, CB IEC 61347, CE, FCC

### Mechanical Specification



- Mechanical Size: 120L x 70W x 30H (mm)
- AC Input cable: UL3135 #18
- DC output cable: UL3135 #14
- Weight: 400g