

# LP1090 Series

## 90W AC to DC Switching Power Supply



### FEATURES

- DC output with Constant Current and/or Constant Voltage, with dimming control
- Waterproof design - IP66 for dry / damp / wet locations
- Convection cooled in aluminium housing

### ENVIRONMENTAL

Operating Temp: -30 to +50°C

Storage Temp: -40 to +85°C

### SAFETY / EMC

UL1310 Class 2  
UL48

EN55022 B / EN55024 / EN55015  
EN61000-3-2,-3 / EN61547

### MODEL LISTINGS

### ELECTRICAL SPECIFICATIONS

AC Input	90-264VAC, Single Phase, 47~63Hz
Inrush Current	<20A/115Vac : <40A/230Vac
Power Factor	>0.92 at full load, 115Vac, 230Vac
Leakage current	<0.7mA / 230Vac
Efficiency	85% Typical
Load Regulation	±5%
Protections	OCP, SCP, OVP - Auto-recovery
Dimensions	63(W) x 40(H)mm (length see model type)
Weight	0.75Kg (290mm) / 0.6kg (170mm) typical

### MODEL INFORMATION

LP1090-XX-YZ-E

XX = Voltage rating, 12(12V), 19(19V), etc.  
 Y = AC Input End Plate, G = Gland, T = Terminal block  
 Z = DC Output End Plate, G = Gland, T = Terminal block  
 E = Housing Length, 170(170mm), 240(240mm), 290(290mm)  
 dd = Optional dimming function  
 eg. LP1090-12-GT-170  
 12V, Gland AC Input Plate, Terminal Block Output, 170mm long

Model	Constant Voltage MODE		Constant Current MODE		Output Max. Watts
	VDC - Output adjust range	Output Current Max. (A)	DC Output (Vf) Forward Voltage	Output Current adjust range	
LP1090-36-YZ-E	24~36V	1~2.66A	18~36V	1.70~2.66A	96W
LP1090-24-YZ-E	18~24V	1.5~4.00A	12~24V	2.50~4.00A	96W
LP1090-19-YZ-E	12~19V	2~5.00A	10~19V	3.00~5.00A	95W
LP1090-36-YZ-Edd	24~36V	1~2.66A	18~36V	1.50~2.66A	96W
LP1090-24-YZ-Edd	18~24V	1.5~4.00A	12~24V	2.50~4.00A	96W
LP1090-19-YZ-Edd	12~19V	2~5.00A	10~19V	3.00~5.00A	95W
LP1090-12-YZ-Edd	8~12V	1~5.00A	8~13V	3.00~5.00A	60W

Specifications subject to change without notice

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