PLV-100 Series

100 WATTS

IP20 RATED

100W Single Output Constant Voltage Power Supply



Key Features:

- Constant Voltage design (C.V mode)
- Slimline Design
- Protections: Over Load/ Over Voltage/Short Circuit
- Designed for indoor installation
- 100% full load burn-in test
- Suitable for LED Lighting and LED electrical display applications
- Plastic case
- 30,000 hours

PLV-100 SPECIFICATION

Part Code	PLV-100-12	PLV-100-24
Voltage	220V ~ 240VAC	220V ~ 240VAC
Frequency	50 ~ 60 Hz	50 ~ 60 Hz
Inrush	Cold start 50A/230VAC 300mS	Cold start 50A/230VAC 300mS
AC Current	0.55A / 230VAC at full load	0.55A / 230VAC at full load
Power Factor	>0.95	>0.95
Voltage	12V	24V
Current	8.33A	4.17A
Power	100W	100W
R&N	<300mV	<500mV
Efficiency (TYP.)	91%	92%
Voltage Adj. Range	±5%	±5%
Voltage Tolerance	±3%	±3%
Line Regulation	<5%	<5%
Load Regulation	<5%	<5%
Short Circuit	Recovers automatically after fault condition is removed	
Over Load	Recovers automatically after fault condition is removed	
Over Voltage	Recovers automatically after fault condition is removed	
Withstand Voltage	I/P-O/P: AC3.75KV Leakage <5mA, 60s	
Isolation Resistance	I/P-O/P: DC500V 100Mohms (At room temperature & humidity)	
Working Temp & Humidity	-20°C ~ +40°C 5 ~ 85%RH	
Storage Temp & Humidity	-40°C ~ +70°C 5 ~ 85%RH	
Safety Standard	Design to meet EN61347-2-13	
EMC Standard	Meets Emissions to EN55015, EN61547, EN61000-3-2, EN61000-3-3	
Weight	0.162Kg	0.162Kg
Dimensions	312 x 30 x 18.5mm	312 x 30 x 18.5mm

SELV CE

PowerLed (UK) Ltd
Orion House
Calleva Park
Aldermaston
Berkshire
RG7 8SN

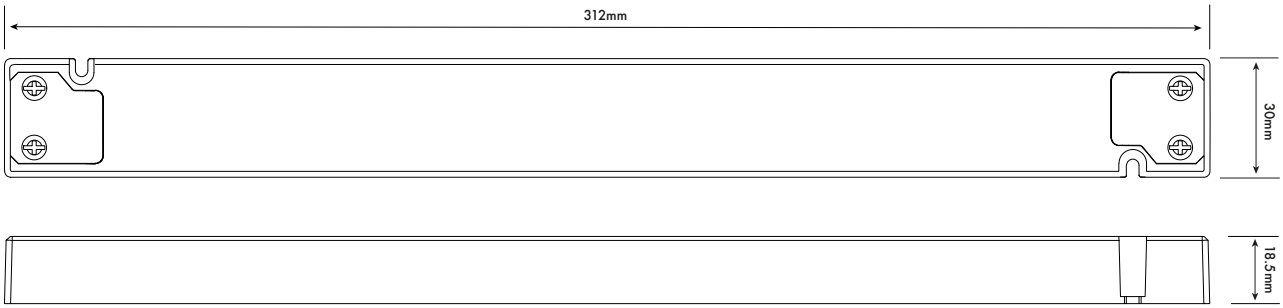
Contact:
Tel: 0118 9703856
enquiries@powerled.uk.com
www.powerled.uk.com

PowerLed® Designed to last

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Mechanical Diagrams



Breaker Type	B10	B13	B16	B20	C10	C13	C16	C20	D10	D13	D16	D20	Inrush Current max	Inrush Current duration
PLV-100-12	3	4	5	7	7	9	11	14	14	19	21	29	50A	300ms
PLV-100-24	3	4	5	7	7	9	11	14	14	19	21	29	50A	300ms

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