

PUC-V06 Series

60W IP67 Constant Voltage LED Lighting Power Supply



Key Features:

- Constant voltage mode power supply
- Fully encapsulated with IP67
- Withstand 300VAC surge input for 5 seconds
- Short circuit, over current, over voltage protections
- Fully isolated plastic case
- Class II power unit, no FG
- Cooling by free air convection
- Passes LPS
- Suitable for LED lighting and moving sign applications
- High reliability

PUC-V06 SERIES SPECIFICATION

MODEL No.	PUC-V06C	PUC-V06G
Voltage	220 ~ 240VAC	220 ~ 240VAC
Frequency	50 Hz	50 Hz
Power Factor	PF >0.9 at full load	PF >0.9 at full load
AC Current	0.5A/240VAC	0.4A/240VAC
Inrush Current (Typ.)	Cold start <40A at 240VAC	Cold start <40A at 240VAC
Leakage Current	<2.5mA at 240VAC	<2.5mA at 240VAC
Voltage	12V	24V
Rated Current	5A	2.5A
Current Range	0 ~ 5A	0 ~ 2.5A
Power	60W	60W
Efficiency	≥85%	≥85%
R&N	<2.8Vpp	<4Vpp
Over Voltage	>16VDC	>30VDC Auto-recovery
Over Current	105 ~ 150% rated output current; hiccup mode, recovers automatically after fault condition is removed	
Voltage Tolerance	±5.0%	±5.0%
Voltage Regulation	<3% at full load	<5% at full load
Setup time	500ms/240VAC	500ms/240VAC
Temperature	Operating: -10 ~ +40 °C	Operating: -10 ~ +40 °C
Storage Temperature	-20 ~ 60 °C	-20 ~ 60 °C
Humidity	Operating: 20% ~ 90% RH; Storage: 10% ~ 95% RH (non condensing)	
Withstand Voltage	I/P-O/P: 3KVAC	
Isolation Resistance	I/P-O/P: >100M Ohms/500VDC/25°C/70% RH	
Safety Standards	Compliance to UL879, UL1310, design refers to TUV EN60958-1, EN61347-2-13	
EMC Emission	Compliance to EN55015 Class B, EN61000-3-2 Class A, EN61000-3-3	
EMC Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; EN55015	
Dimensions	166 x 40 x 33mm	

REVB



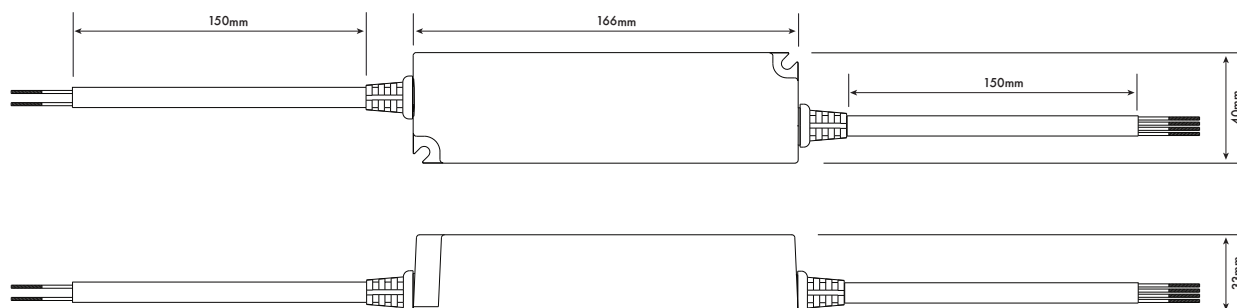
Notes

1. All parameters NOT specially mentioned are measured at 240VAC input, rated load and 25 °C of ambient temperature.
2. Tolerance includes setup tolerance, line regulation and load regulation.
3. Derating may be needed under low input voltages. Please check the static characteristics for more details.
4. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
5. Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.
6. Suitable for indoor and outdoor use without direct sunlight exposure. Please avoid immersion in water over 30 minutes.

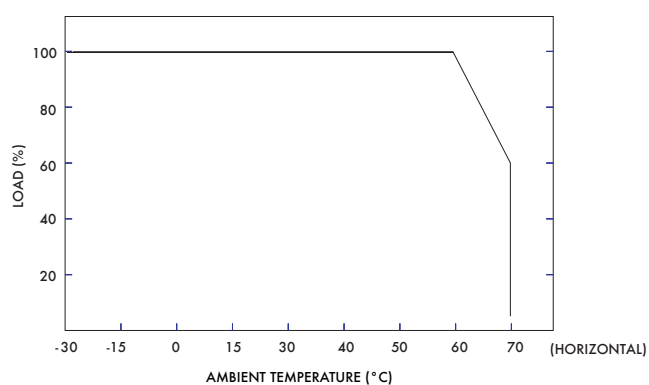
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Mechanical Specification



Derating Curve



Static Characteristics

