FTPC60V-FP series

60W LED Power Supply (CV)



■ Features:

- Constant voltage design
- European AC input range
- Protections: Short circuit / Overload / Over temperature
 - Cooling by free air convection
 - Compliance to worldwide regulations for lighting
 - IP44 protection level



WW TO BEL

ELECTRICAL SPECIFICATION				
MODEL	FTPC60V12-FP	FTPC60V24-FP		
OUTPUT				
RATED VOLTAGE	12V	24V		
RATED CURRENT	5A	2.5A		
CURRENT RANGE	0 ÷ 5A	0 ÷ 2.5A		
RATED POWER	60W	60W		
No LOAD OUTPUT VOLTAGE (MAX.)	12.6V	25.2V		
LINE REGLATION	± 0.5%	± 0.5%		
LOAD REGLATION	± 1%	± 1%		
VOLTAGE TOLERANCE [3]	± 5%	± 5%		
RIPPLE & NOISE (MAX.) [2]	240mV _{P-P}	240mV _{P-P}		
SETUP TIME [4]	500ms / 230VAC at full load			
HOLD UP TIME (MIN.)	5ms / 230VAC at full load			

INPUT			
VOLTAGE RANGE	180 ÷ 264VAC		
FREQUENCY RANGE	50 ÷ 60Hz		
Power Factor (MAX.)	PF ≥ 0.9 / 230VAC		
EFFICIENCY (MAX.)	87%	87%	
AC CURRENT (TYP.)	<0.42A / 230VAC		
INRUSH CURRENT (MAX.)	<75A / 230VAC(25°C)		
No Load Power Consumption (MAX.)	< 0.5W		

PROTECTIONS	
0.6	140%
Over Current	Type: hiccup mode. Recovers automatically after fault condition is removed.
SHORT CIRCUIT	Type: hiccup mode. Recovers automatically after fault condition is removed.
0.7	Range: IC detect temperature
Over Temperature	Type: shut down output voltage. Re-power on to recovery

FTPC60V-FP-spec-EN-R2 08.10.2021 1/2

FTPC60V-FP series





WORKING ENVIRONMENT WORKING TEMPERATURE $-20^{\circ}\text{C} \div +45^{\circ}\text{C}$ WORKING HUMIDITY $45 \div 85\% \text{ RH}$ STORAGE TEMPERATURE AND HUMIDITY $-30^{\circ}\text{C} \div +70^{\circ}\text{C}$, $10 \div 95\% \text{ RH non-condensing}$

SAFETY AND EMC REGULATIONS	
SAFETY STANDARDS	Compliance to EN61347-1, EN61347-2-13
WITHSTAND VOLTAGE	IN/OUT: 3.75kVAC
EMC Emission	Compliance to EN55015
EMC IMMUNITY	Compliance to EN61547; EN61000-4-2, 3, 4, 5, 6
HARMONIC CURRENT	Compliance to EN61000-3-2

OTHERS		
INPUT W IRES	$H05VVH2-F 2*1.0mm^2$, Length = $15cm \pm 3cm$	
O UTPUT W IRES	$H03VVH2-F 2*0.75mm^2$, Length = 15cm ± 3cm	
DIMENSIONS	172 x 59.5 x 18.5mm (L x W x H)	
WEIGHT AND PACKING	0.26kg; 25pcs./carton; carton dimensions: 34 x 20.5 x 18.5	5cm
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EAN CODE



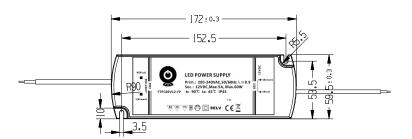


- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a $0.1\mu F$ i $47\mu F$ parallel capacitor.
- 3. Tolerance includes set up tolerance, line regulation and load regulation.
- 4. Setup and rise time is measured from 0 to 90% rated output voltage.
- 5. Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

MECHANICAL SPECIFICATION







FTPC60V-FP-spec-EN-R2 08.10.2021 2/2