

FTPC60V-S2 series

60W LED Power Supply



■ 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
- Extremely short and slim case size



ELECTRICAL SPECIFICATION

MODEL	FTPC60V12-S2	FTPC60V24-S2
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 REGULATION	± 0.5%	± 0.5%
LOAD REGULATION	± 1%	± 1%
VOLTAGE TOLERANCE [3]	± 5%	± 5%
RIPPLE & NOISE (MAX.) [2]	380mV _{p-p}	380mV _{p-p}
SETUP TIME [4]	500ms / 230VAC at full load	
HOLD UP TIME (MIN.)	5ms / 230VAC at full load	

INPUT

VOLTAGE RANGE	198 ÷ 264VAC	
FREQUENCY RANGE	50 / 60Hz	
POWER FACTOR (MIN.)	PF ≥ 0.97 / 230VAC at full load	
EFFICIENCY (MAX.)	89%	89%
AC CURRENT (TYP.)	< 0.5A / 230VAC	
INRUSH CURRENT (TYP.)	70A / 230VAC	
NO LOAD POWER CONSUMPTION (MAX.)	< 0.5W	

FTPC60V-S2 series

60W LED Power Supply



PROTECTIONS

OVERLOAD	Range: <160% rated output power
	Type: hiccup mode. Recovers automatically after fault condition is removed.
SHORT CIRCUIT	Type: hiccup mode. Recovers automatically after fault condition is removed.
OVER VOLTAGE	Range: < 150% rated output voltage
	Type: shut down output voltage. Re-power on to recovery
OVER TEMPERATURE	Range: < 115°C in detected point
	Type: shut down output voltage. Re-power on to recovery

WORKING ENVIRONMENT

WORKING TEMPERATURE	-20°C ÷ +45°C
WORKING HUMIDITY	10 ÷ 90% RH
STORAGE TEMPERATURE AND HUMIDITY	-30°C ÷ +70°C, 10 ÷ 95% 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; EN61000-3-3

OTHERS

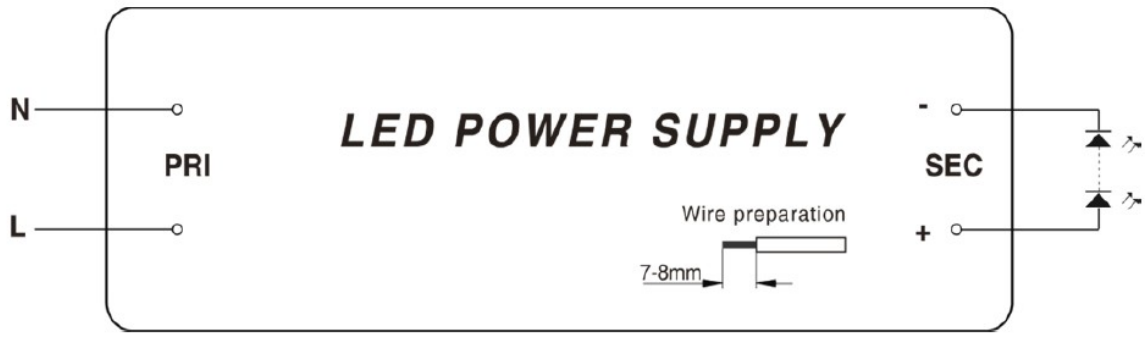
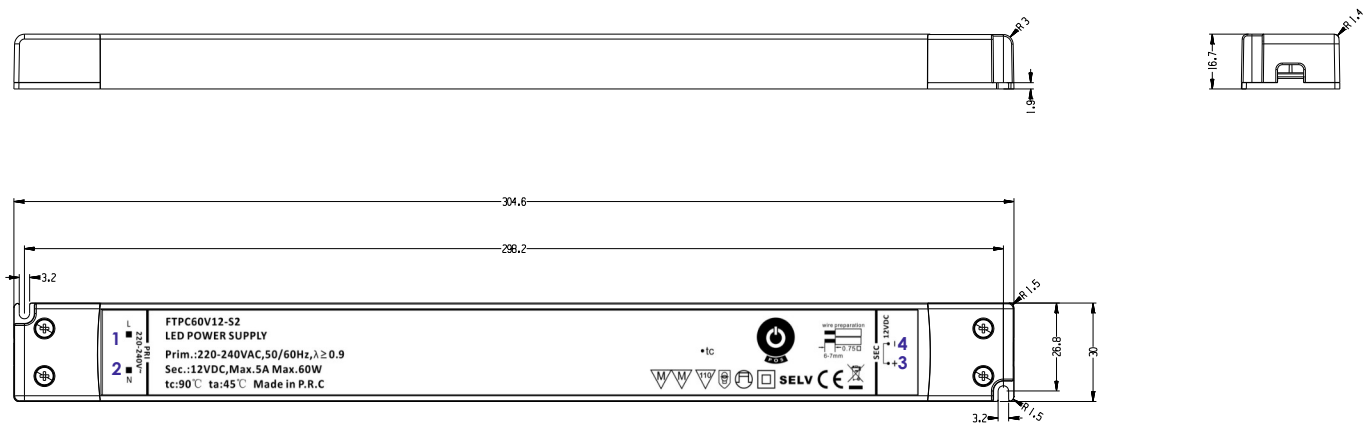
DIMENSIONS	304.6 x 30 x 16.7mm (L x W x H)
LIFETIME	30 000 hours / 230VAC, full load, ta=45°C
WEIGHT AND PACKING	160g; 50pcs./carton; carton dimensions: 35 x 20 x 27.5cm

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 0.1μF i 47μF 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



PIN ASSIGNMENT

No.	Assignment	No.	Assignment
1	Input: AC/N	3	Output: U _{OUT} +
2	Input: AC/L	4	Output: U _{OUT} -