

FTPC30V-C2 series

30W LED Constant voltage Switching Power Supply



■ Features:

- Constant voltage design
- European AC input range
- Protections: Short circuit / Overload / Over temperature
- Cooling by free air convection
- Built-in active PFC function
- Isolation class II



⊙ ELECTRICAL SPECIFICATION

MODEL	FTPC30V12-C2	FTPC30V24-C2
OUTPUT		
Rated Voltage	12V	24V
Rated Current	2.5A	1.25A
Rated Power	30W	
Power Range	0 ÷ 30W	
Line Regulation	± 1%	
Load Regulation	± 2%	
Voltage Tolerance	± 5%	
Ripple & Noise (max.)	360mV _{p-p}	720mV _{p-p}
Setup, Rise, Holdup time	500ms, 30ms, 15ms	
INPUT		
Voltage Range	220 ÷ 240AC	
Frequency Range	50/60Hz	
Power Factor (typ.)	PF > 0.98/ 230VAC at full load	
Efficiency (typ.)	86%	87%
AC current (typ.)	0.17A / 230VAC	
Inrush current (max.)	30A / 230VAC(25°C)	
No Load Power Consumption (max.)	0.5W	
PROTECTIONS		
Over Current	Range: 110 ÷ 140% Recovers automatically after fault condition is removed.	
Short Circuit	Type: hiccup mode. Recovers automatically after fault condition is removed.	
Over temperature	Recovers automatically after fault condition is removed.	

FTPC30V-C2 series

30W LED Constant voltage Switching Power Supply



WORKING ENVIRONMENT

Working Temperature	-20°C ÷ 45°C
Working Humidity	10 ÷ 90% RH non-condensing
Storage Temperature and Humidity	-40°C ÷ 80°C, 10 ÷ 90% RH non-condensing

SAFETY AND EMC REGULATIONS

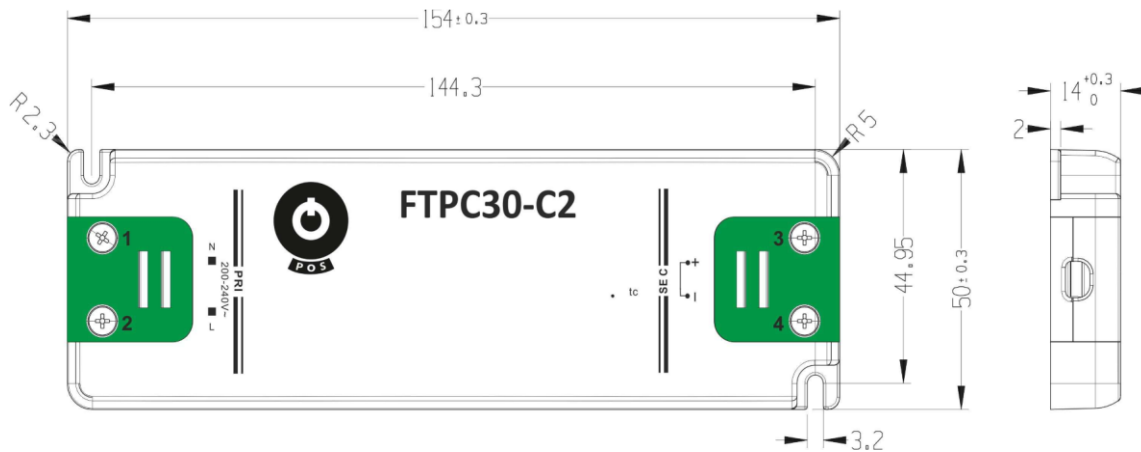
Safet Standards	Compliance to EN61347-1, EN61347-2-13
Withstand Voltage	IN/OUT: 5.3kVDC/1min
Isolation Resistance	IN/OUT: 50MΩ/500VDC/25°C/70%
EMC Emission	Compliance to EN55015
EMC Immunity	Compliance to EN61547; EN61000-4-2, -3, -4, -5, -6;
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2 class C (≥ 100% load)

OTHERS

Dimensions	154 x 50 x 14mm (L x W x H)
Weight and Packing	0.09kg; 100pcs./ctn; ctn dimensions: 31.5 x 25.5 x 16.5cm

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Tolerance includes set up tolerance, line regulation and load regulation.
3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. 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 finalequipment must be re-qualify 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-}

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [LED Power Supplies](#) category:

Click to view products by [POS manufacturer](#):

Other Similar products are found below :

[PIFC-K250F](#) [PITB-K222A](#) [AC-A60VD24H2.5](#) [ALD-514012PJ134](#) [PWD-60-1-70-P](#) [ESS030W-1050-21](#) [BPOXL 4-12-035](#) [ESS010W-0180-42](#) [ESS010W-0350-24](#) [ESS010W-0200-42](#) [ESM060W-1400-42](#) [ESS010W-0500-12](#) [SLM140W-1.05-130-ZA](#) [ESS015W-0700-18](#) [HVG-240-54AB](#) [OTE 25/220-240/700 PC](#) [OT FIT 30/220-240/700 CS](#) [DAL30W-0600-42-T](#) [HVG-320-48AB](#) [CNB30W-0600-42-CAS](#) [87500757](#) [I-SELECT 2 PLUG 2100MA BL](#) [LCU 48V 75W DC-STR FO](#) [LC 45 W 500-1400 MA FLEXC SC EXC](#) [I-SELECT 2 PLUG 2000MA BL](#) [LC 50/200-350/170 FLEXCC LP SNC3](#) [LCO 14/100-500/38 O4A NF C EXC3](#) [LC 28W 300-700MA 42 FLEXC NF SC EXC3](#) [LC 44/1050/42 FIXC SRL ADV2](#) [LCA 60W 900-1750MA ONE4ALL C PRE](#) [LC 8/180/44 FIXC SR SNC2](#) [LC 19/200-350/54 FLEXC LP SNC4](#) [BXDR-PS-75BS-E116D-01-A](#) [LC 30/500/54 FIXC SR SNC2](#) [LCA 60W 24V ONE4ALL SC PRE SP](#) [LC 60W 75-330MA 310V FLEXC NF H16 EXC4](#) [LC 8/180/42 FIXC PC SR SNC2](#) [LC 10/350/29 FIXC SR SNC2](#) [LC 25/500/43 FIXC SR SNC2](#) [LC 50/100-400/140 PO4A NF H16 PRE3](#) [LC 25/600/42 FIXC SRL ADV2](#) [LCO 24/200-1050/39 NF C ADV3](#) [ELEMENT 35/220...240/900 G3](#) [LC 25W 350-1050MA FLEXC SR EXC](#) [LC 35W 24 ONE4ALL IP PRE](#) [BXDR-PS-25BS-E107D-01-A](#) [LC 17W 250-700MA FLEXC SR EXC](#) [LC 15W 350MA FIXC C SNC](#) [LC 14W 700MA FIXC PC SR SNC2](#) [LC 200W 24V SC SNC](#)