# GTPC-30-S series

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30W Constant Voltage LED Power Supply



#### ■ Features:

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

• CB certificate



	CONSTANT VOLTAGE OF F	• • • • • • • • • • • • • • • • • • • •
©ELECTRICAL SPECIFICATION		
MODEL	GTPC-30-12-S	GTPC-30-24-S
OUTPUT		
Rated Voltage	12V	24V
Rated Current	2.5A	1.25A
Current Range	0 ÷ 2.5A	0 ÷ 1.25A
Rated Power	30W	
Line Regulation	± 5%	
Load Regulation	± 5%	
Tolerance [3]	± 5%	
Ripple & Noise (max.) [2]	500mV <sub>P-P</sub>	
Setup [4]	500ms / 230VAC at full load	

INPUT						
Voltage Range	180 ÷ 264VAC					
Frequency Range	47 ÷ 63Hz					
Efiiciency (typ.)	85%					
AC Current (typ.)	0.17A / 230VA	С				
Inrush Current (typ.)	25A / 230VAC; T <sub>WIDTH</sub> (50% peak) = 300μs					
Max. No. Of PSU on Circuit Breaker	B10	B16	C10	C16	D10	D16
	7	11	14	23	28	43

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PROTECTIONS				
Overload	Range: 120-180% rated power	Range: 120-180% rated power		
	Type: hiccup mode, auto-recovery.			
Short Circuit	Type: hiccup mode, auto-recov	Type: hiccup mode, auto-recovery.		
Over Voltage	Range: 17-22V	Range: 28-34V		
	Type: hiccup mode, auto-recovery.			

WORKING ENVIRONMENT		
Working Temperature	-10°C ÷ 70°C, ta: 40°C; tc: 90°C	
Working Humidity	20 ÷ 90% RH non-condensing	
Storage Temperature and Humidity	-20°C ÷ 70°C, 10 ÷ 95% RH non-condensing	

SAFETY and EMC REGULATIONS	
Safety Standards	Compliance to EN 61347-1, EN 61347-2-13, EN 60598-1
Withstand Voltage	IN/OUT: 3.75kVAC
Isolation Resistance	IN/OUT: 100MΩ/500VDC/25°C/70%
EMC Emission	Compliance to EN 55015, EN 62493
EMC Immunity	Compliance to EN 61547
Harmonic Current	Compliance to EN 61000-3-3; EN 61000-3-2

OTHERS	
Lifetime (typ.)	30 000 hours
Dimensions	251 x 30 x 16.5mm (L x W x H)
Weight and Packing	130g; 100pcs./ctn; ctn weight and dimensions: 13.5kg; 39.5 x 26.5 x 18cm

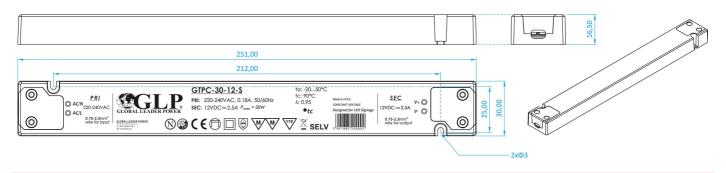
### EAN Code





- $1. \ \textit{All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 °C of ambient temperature.}$
- 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 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**



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