GTPC-100-S series

ONE STREET

100W 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



© ELECTRICAL SPECIFICATION		
MODEL	GTPC-100-12-S	GTPC-100-24-S
OUTPUT		
Rated Voltage	12V	24V
Rated Current	8.34A	4.17A
Current Range	0 ÷ 8.34A	0 ÷ 4.17A
Rated Power	100W	
Line Regulation	± 5%	
Load Regulation	± 5%	
Tolerance [3]	± 5%	
Ripple & Noise (max.) [2]	500mV _{P-P}	
Setup [4]	500ms / 230VAC at full load	

INPUT						
Voltage Range	180 ÷ 264VAC	180 ÷ 264VAC				
Frequency Range	47 ÷ 63Hz	47 ÷ 63Hz				
Efiiciency (typ.)	91%	91% 92%				
AC Current (typ.)	0.55A / 230VA	0.55A / 230VAC				
Inrush Current (typ.)	50A / 230VAC;	50A / 230VAC; T _{WIDTH} (50% peak) = 300μs				
Max. No. Of PSU on Circuit Breaker	B10	B16	C10	C16	D10	D16
	3	5	7	11	14	21

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

WORKING ENVIRONMENT		
Working Temperature	-20°C ÷ 45°C, ta: 50°C; tc: 90°C	
Working Humidity	20 ÷ 90% RH non-condensing	
Storage Temperature and Humidity	-20°C ÷ 70°C, 10 ÷ 95% RH non-condensing	

OTHERS	
Lifetime (typ.)	30 000 hours
Dimensions	320 x 30 x 18.2mm (L x W x H)
Weight and Packing	170g; 100pcs./ctn; ctn weight and dimensions: 17kg; 40.0 x 34.0 x 23cm

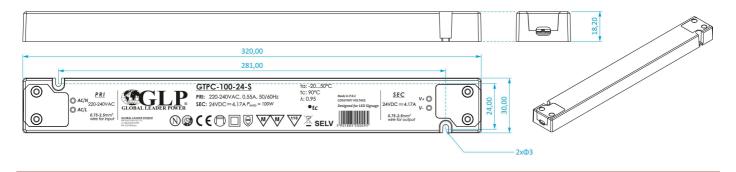
EAN Code





- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- $2. \textit{ Ripple \& noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 \mu F i 47 \mu F parallel capacitor.}$
- 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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