GTPC-100-S series

ONE AND SECURE SECURITY OF EACH SECURITY

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



	CONSTANT VOLTAGE SLLV	
©ELECTRICAL SPECIFICA	TION	
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	
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INPUT						
Voltage Range	180 ÷ 264VAC					
Frequency Range	47 ÷ 63Hz					
Efiiciency (typ.)	91%			92%		
AC Current (typ.)	0.55A / 230VA	С				
Inrush Current (typ.)	50A / 230VAC;	T _{WIDTH} (50% pea	k) = 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.		
Over Voltage	Range: 17-22V	Range: 28-34V	
	Type: hiccup mode, auto-recov	ery.	

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

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.)	35 000 hours / Input 230VAC, ta=45°C at full load
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

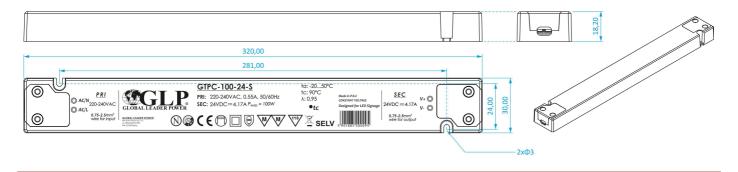
EAN Code





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