EN-320 series

320W Constant Voltage Single Output LED Power Supply

■ **Features:**

- Constant voltage design
- European AC input range
- Protections: Short circuit / Over current / Over voltage / Over Temperature
- Cooling by free air convection
- Compliance to worldwide regulations for lighting

◎ELECTRICAL SPECIFICATION

MODEL	EN-320-12	EN-320-24
OUTPUT		
Rated Voltage	12V	24V
Rated Current	21.7A	13.3A
Current Range	0 ÷ 21.7A	0 ÷ 13.3A
Rated Power	260.4W	319.2W
Line Regulation	± 0.5%	± 0.5%
Load Regulation	± 0.5%	± 0.5%
Voltage Tolerance [3]	± 5%	± 5%
Ripple & Noise (max.) [2]	$150mV_{P-P}$	$240mV_{P-P}$
Setup, Rise Time [4]	400ms, 50ms / 230VAC at full load	
Hold up Time (typ.)	4.0ms / 230VAC at full load	
INPUT		
Voltage Range	200 ÷ 240VAC	
Frequency Range	47 ÷ 63Hz	
Power Factor (typ.)	PF > 0.9 / 230VAC at full load	
Efficiency (typ.)	90%	90%
AC current (typ.)	1.7A / 230VAC	
Inrush current (max.)	75A / 230VAC (25°C)	
No Load Power Consumption (max.)	< 1W	
PROTECTIONS		
Over Current	Range: > 120%	
	Type: shut down output voltage. Recovers automatically after fault condition is removed.	
Short Circuit	Type: shut down output voltage. Recovers automatically after fault condition is removed.	
Over Voltage	< 13.3V	< 27.0V
	Type: shut down output voltage. Re-power on to recovery.	
Over Temperature	Range: 115°C ± 10°C	
	Type: Output current limiting. Recovers automatically after fault condition is removed.	

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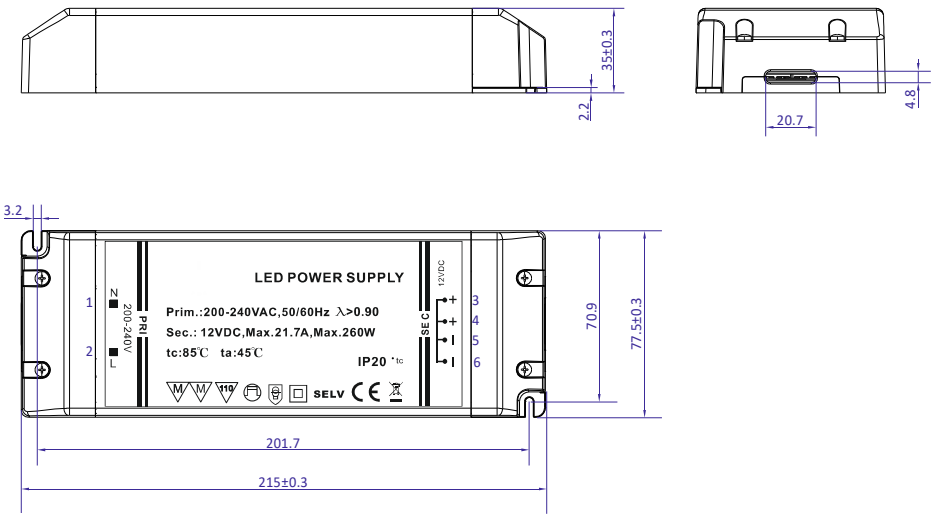
WORKING ENVIRONMENT	
Working Temperature	-20°C ÷ +45°C
Working Humidity	45 ÷ 85% RH non-condensing
Storage Temperature and Humidity	-30°C ÷ +70°C, 10 ÷ 95% RH non-condensing

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
Harmonic Current	Compliance to EN61000-3-2, EN61000-3-3

OTHERS	
Dimensions	215 x 77.5 x 35mm (L x W x H)
Weight and Packing	0.86kg; 15pcs./box; box dimensions: 26 x 22.5 x 20.5cm
EAN Code	5902135124765 5902135124772

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/L**	**3,4**	**Output: U_{OUT}-**
2	**Input: AC/N/L**	**5,6**	**Output: U_{OUT}+**