



# MCHQ100V12

Constant Voltage LED Power Supply 12V IP67 100W



## ■ FEATURES:

- Universal input voltage range
- Protection: Short circuit / Over load / Over temperature
- Cooling by free air convection
- Tested under full load
- Built-in active power factor correction PFC
- IP67 - may be used for internal and external applications

## ELECTRICAL SPECIFICATION

MODEL		MCHQ100V12
OUTPUT	Rated voltage	12V
	Rated current	8.33A
	Current range	0 ÷ 8.33A
	Rated power	100W
	Ripple & noise (typ.)	240mV <sub>p,p</sub>
	Voltage tolerance	±5%
INPUT	Voltage range	90 ÷ 264VAC
	Frequency range	47 ÷ 63Hz
	PFC	>0.94 / 230VAC full load
	Efficiency (typ.)	87%
	AC current (typ.)	1.05A / 230VAC
	Inrush current (max.)	80A / 230VAC (cold start)
	Leakage current	1mA/230VAC
PROTECTIONS	Short circuit	Type: hiccup mode, auto-recovery
	Over load	Range: 110 ÷ 160 % of the nominal Auto-recovery.
	Over voltage	Range: the voltage at the output terminals 14 ÷ 20VDC Type: hiccup mode, auto-recovery
	Over temperature	Detection of the main control circuit Type: hiccup mode, auto-recovery
ENVIRONMENT	Working temperature	-20°C ÷ +45°C
	Working humidity	20 ÷ 90% RH (non-condensing)
	Storage temperature and humidity	-30°C ÷ +70°C; 10 ÷ 95% RH (non-condensing)
SAFETY REGULATIONS & EMC	Safety standards	EN61347-1, EN61347-2-13
	Withstand voltage	I-O: 3.75kVAC; I-P: 3.75kVAC; O-P: 1.88kVAC
	Emission - EMI	EN55015, EN61000-3-2, EN61000-3-3
	Immunity - EMI	EN61547
OTHERS	Dimensions	231*202*87*42mm
	Weight	1.2kg
<p>1. All parametrs NOT specially mentioned are measured at 230VAC input rated load and 25°C temperature.            2. Tolerance expresses the maximum range of the output voltage by switching taking into account changes depending on the input voltage and changes according to changes in load current.            3. The power supply is according to the standard EN61204 component designed for installation in the final product by qualified personnel and should not be treated as a stand-alone device. The final effect of electromagnetic compatibility is determined for the final product, the declaration of conformity is required for all installation.</p>		



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## MECHANICAL SPECIFICATION

