



MCHQ100V24

Constant Voltage LED Power Supply 24V 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		MCHQ100V24
OUTPUT	Rated voltage	24V
	Rated current	4.16A
	Current range	0 ÷ 4.16A
	Rated power	100W
	Ripple & noise (typ.)	400mV _{p.p}
	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 26 ÷ 32VDC 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.</p> <p>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.</p> <p>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

