

# MCHQ100V24-GE

LED Driver 24V/4,17A 100W CV, metal case, PFC, EU AC input (180-305VAC), IP67, non-adjustable



## Features:

- European AC input / Full range(200-277VAC)
- Built-in active PFC function
- IP67, Metal Case
- Suitable for indoor and outdoor environment
- Protections: Short circuit / Over voltage / Over temperature
- Adopt metal shell and internal glue potting, can be used in dangerous situations
- Built in lightning protection device can meet the requirements of DM 4kV / CM 6kV
- Compliance to worldwide safety regulations for lighting
- 5 years warranty



## ELECTRICAL SPECIFICATION

Product Type	LED Driver, Power supply
Output Voltage	24V DC
Rated Current	4.17 A
Power (W)	100 W
Dimming	No
Voltage Ripple & Noise (max.)	±2% @ Full load
Line Regulation	±1% Full Load
Load Regulation	±1%
Setup, Rise Time	300ms, 100ms
AC input voltage range	European
PFC	Yes
Protection class	I
Efficiency (typ.)	92% @ 230V AC
AC Current (typ.)	0.64A max
No Load Power Consumption (typ. / max.)	0.4W / 0.5 W 230V AC, no load
Inrush Current (typ.)	65 A, 230VAC, Cold Start

<b>IP protection level</b>	IP67
<b>Leakage Current (max.)</b>	max 0.7 mA 230 V AC, full load
<b>Over Current / Overload protection</b>	Type: auto-recovery.
<b>Over Current / Overload protection (range)</b>	150% rated load
<b>Short Circuit protection</b>	Type: hiccup mode, auto-recovery.
<b>Over Voltage protection (range)</b>	150% rated output voltage
<b>Over Voltage protection</b>	Type: shut down output voltage. Re-power on to recovery.
<b>Over Temperature protection</b>	Shut down o/p voltage, automatically recover after cooling
<b>Working Temperature range</b>	-40~+55°C
<b>Working Humidity range</b>	10 ÷ 90% RH non-condensing
<b>Storage Temperature and Humidity</b>	-40°C ÷ +85°C, 5 ÷ 95% RH non-condensing
<b>Safety Standards</b>	EN61347-1, EN 61347-2-13
<b>Withstand Voltage</b>	I/P-O/P: 3200VAC/5mA Max 60s, O/P-FG 1000V AC/5mA max 60s, I/P-FG 1600V AC/5mA max 60s
<b>Isolation Resistance</b>	≥10MΩ
<b>EMC Emission</b>	EN61000-3-2 Class C, EN55015, EN62493:2015
<b>Harmonic Current</b>	EN61000-3-2 Class C
<b>Dimensions (L x W x H)</b>	173 x 63 x 38 mm
<b>Weight (kg)</b>	0.615
<b>Packing</b>	15 pcs/box
<b>Warranty</b>	5 years
<b>Mounting</b>	surface
<b>Programmable</b>	No

## MECHANICAL SPECIFICATION

