

# MCHQ50V12-GE

LED Driver 12V/4,17A 50W CV, metal case, PFC, EU AC input  
(180-305VAC), IP67, non-adjustable



## Features:

- European AC input(200-277VAC)
- Built-in active PFC function
- IP67, Metal Case
- Suitable for dry, humid and rainy environment
- Protections: Short circuit / Over voltage / Over temperature
- Adopt metal shell and internal glue filling, 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	12V DC
Rated Current	4.17 A
Power (W)	50 W
Dimming	No
Voltage Ripple & Noise (max.)	±2% @ Full load
Line Regulation	±1%
Load Regulation	±2%
Setup, Rise Time	400ms, 100ms / 230VAC
AC input voltage range	European
PFC	Yes
Protection class	I
Efficiency (typ.)	87%
No Load Power Consumption (typ. / max.)	0.35W / 0.5W
AC Current (typ.)	0.35A max @ 180VAC
Inrush Current (typ.)	Cold Start 60A @ 230VAC
IP protection level	IP67
Leakage Current (max.)	max. 0.7mA

<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>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>	EN 61347-2-13, EN61347-1
<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>	IN/OUT: ≥ 10MΩ / 500VDC
<b>EMC Emission</b>	EN62493:2015, EN61000-3-2 Class C, EN55015
<b>Harmonic Current</b>	EN61000-3-2 Class C
<b>Dimmensions (L x W x H)</b>	157 x 52.9 x 36.5 mm
<b>Weight (kg)</b>	0.48
<b>Packing</b>	15 pcs/box
<b>Warranty</b>	5 years
<b>Mounting</b>	surface
<b>Programmable</b>	No

**MECHANICAL SPECIFICATION**

