

# MCHQ240V12-GE

LED Driver 12V/18A 216W CV, metal case, PFC, EU AC input  
(180-305VAC), IP67, non-adjustable



Opis

## 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	12V DC
Rated Current	16A
Power (W)	216W
Dimming	No
Voltage Ripple & Noise (max.)	±2% PK-PK @ Full load
Line Regulation	±1% Full Load
Load Regulation	±1% Full Load
Setup, Rise Time	100ms, 300ms / 230Vac
AC input voltage range	European
PFC	Yes
Protection class	I
Efficiency (typ.)	93%
No Load Power Consumption (typ. / max.)	0.5W / 230V AC
AC Current (typ.)	1.3A/230V AC
Inrush Current (typ.)	62A / 230VAC; TWIDTH = 1400μs
IP protection level	IP67
Leakage Current (max.)	0.7mA / 230VAC at full load
Short Circuit protection	Type: hiccup mode, auto-recovery.
Over Current / Overload protection	Type: hiccup mode, auto-recovery.
Over Current / Overload protection (range)	110 ÷ 160% rated load

Over Voltage protection (range)	150% rated output voltage
Over Voltage protection	Type: shut down output voltage. Re-power on to recovery.
Over Temperature protection	Type: shut down output voltage. Re-power on to recovery.
Working Temperature range	-40°C ÷ +65°C; tc=90°C (
Working Humidity range	10 ÷ 90% RH non-condensing
Storage Temperature and Humidity	-40°C ÷ 85°C, 10 ÷ 90% RH non-condensing
Safety Standards	Compliance to EN 61347-1, EN 61347-2-13
Withstand Voltage	I/P-O/P: 3200VAC/5mA Max 60s, O/P-FG 1000V AC/5mA max 60s, I/P-FG 1600V AC/5mA max 60s
Isolation Resistance	IN/OUT: ≥ 10MΩ / 500VDC
EMC Emission	EN62493:2015, Compliance to EN55015
EMC Immunity	Compliance to EN61547
Dimmensions (L x W x H)	220.6 x 62.5 x 41.3mm
Weight (kg)	0.94
Packing	10pcs./ctn
Warranty	5 years
Mounting	surface

MECHANICAL SPECIFICATION

INPUT

H05RN-F 105°C 3Gx1.0mm<sup>2</sup>  
length = 300mm ± 30mm

OUTPUT

12V: SJTW, 2\*14AWG / 2\*2.08mm<sup>2</sup>, 105°C  
24V: SJTW, 2\*14AWG / 2\*2.08mm<sup>2</sup>, 105°C  
length = 300mm ± 30mm

