

42W 800mA/1400mA In-Door Multi-Power LED Driver

Product Offering



Order part number:
MP-AD-042W-0A80-A-F-20
MP-AD-042W-1A40-A-F-20

Product Description:

- Multi-Power constant current output
- Active power factor control
- IP20 independent LED driver, for indoor use
- Nominal life 50,000hrs (at tc 65 °C with a failure rate <0.2% per 1,000hrs)

Feature:

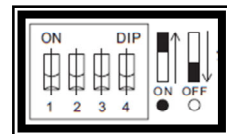
- High efficiency; PF > 0.9
- Start up time < 0.5sec; No-load consumption < 0.5W
- Multi-Power LED driver with output current selection by Dip-Switch selector
- Fully protected: Short circuit, input voltage surge, overvoltage protection, over-temperature protection

Technical Data

Rated supply voltage, AC	220-240 Vac, 50/60Hz
AC Voltage range, AC	194-264 Vac, 50/60Hz
Survive input range (for 30mins)	170-305 Vac, 50/60Hz
Rated current @230Vac	<0.3A
Leakage current @240Vac	<250µA@240Vac
Max. input power	50W
Typ. efficiency (at 230V 50Hz, full load)	Typ. 87%
Inrush current	<7A (T-width @50µs)
Typ. λ (at 230 V 50Hz, Full load)	>0.9
Typ. λ (at 230 V 50Hz, Min. load)	>0.7
Turn on time (at 230V 50Hz, full load)	<0.5s
Max. no load consumption	<0.5W
Output rated power (depends on the output setting)	42W
Ambient temperature ta	-15 ... +45 °C
Max. Casing temperature tc	90 °C
Size (mm)	123x78x32.5
Weight	230g

Output Current Selecting Table

Output current selector



550-800mA selection

Output Current Selector	1	2	3	4
800mA	○	○	○	○
750mA	○	○	○	●
700mA	○	○	●	○
650mA	○	●	○	○
600mA	●	○	○	○
550mA	○	●	●	●

900-1400mA selection

Output Current Selector	1	2	3	4
1400mA	○	○	○	○
1300mA	○	○	○	●
1200mA	○	○	●	○
1100mA	○	●	○	○
1050mA	●	○	○	○
1000mA	○	●	○	●
900mA	●	●	○	○

Standard comply

EN55015; EN61000-3-2; EN61000-3-3; EN61547;
EN61347-1; EN61347-2-13; SELV

Specific Technical Data

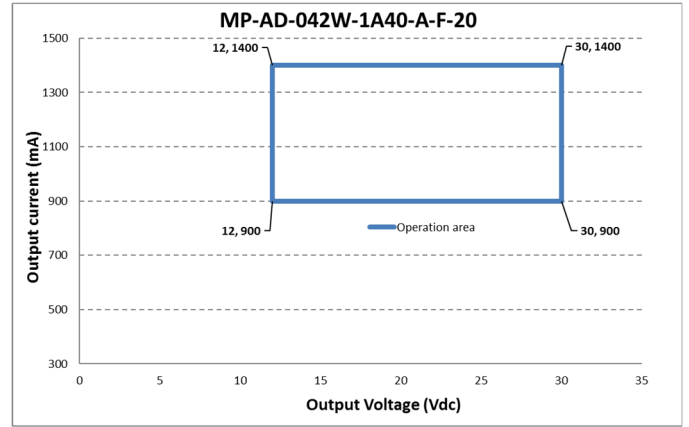
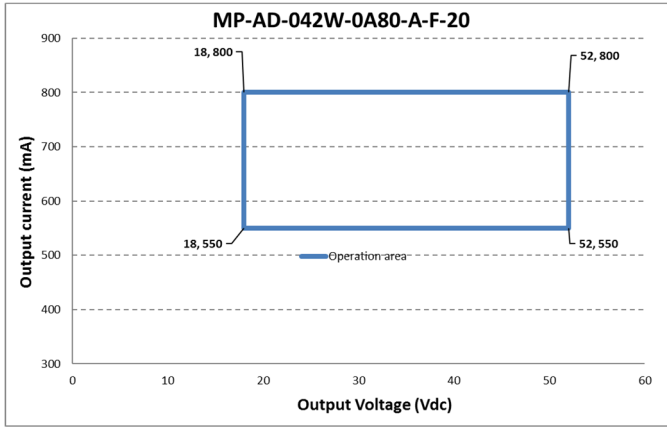
Order Part number	Max. output current	Output voltage	Output current tolerance
MP-AD-042W-0A80-A-F-20	550-800mA ^{(1) (2)}	18 - 52 Vdc (max. 60 Vdc)	±5%
MP-AD-025W-0A70-A-F-20	900-1400mA ^{(1) (2)}	12 - 30 Vdc (max. 39 Vdc)	±5%

Remark:
(1) For details please refer to "output current selector" section
(2) For detail specification, please refer to the "Technical Information".

Notes:
- Specifications may vary without notice
- Always consult local electrical codes
- Parameters are measured at rated output, rated load and at an ambient temperature of 25°C
- Expect slight variation including component tolerance, setup tolerance, line regulation and load regulation.
- Power supplies should always be stress tested and tested for EMC within specific fixture
- Where grounding/earthing is not indicated, avoid grounding/earthing or contact with grounded/earthed metal enclosures
- Performance with dimmers, where supported, may vary depending on dimmer model

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Operation Output Diagram:



Outlook (in mm):

