

# 60W 1200mA/1750mA In-Door Multi-Power LED Driver

## Product Offering



**Order part number:**

**MP-AD-060W-1A20-A-F-20**

**MP-AD-042W-1A75-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:

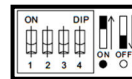
- High efficiency; PF > 0.9
- Start up time < 0.5sec; No-load consumption <0.5W
- Multi-Power LED driver with output current selection by Dip-Switch selector
- Fully protected: Short circuit, input voltage surge, overvoltage protection, over-temperature protection

## 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	<0.4A
Leakage current @240Vac	<250µA@240Vac
Max. input power	70W
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)	60W
Ambient temperature ta	-15 ... +45 °C
Max. Casing temperature tc	90 °C
Size (mm)	123x78x32.5
Weight	230g

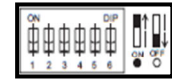
## Output Current Selecting Table

### 800-1200mA selection



Output Current Selector				
Output	1	2	3	4
1200mA	●	○	○	○
1150mA	○	○	○	●
1100mA	○	○	●	○
1050mA	○	●	○	○
1000mA	●	○	○	●
950mA	○	●	○	●
900mA	●	○	●	●
850mA	●	●	○	○
800mA	●	●	●	●

### 1200-1750mA selection



Output Current Selector						
Output	1	2	3	4	5	6
1750mA	○	○	○	○	○	○
1700mA	○	○	○	○	○	●
1650mA	○	○	○	○	●	○
1600mA	○	○	○	●	○	○
1550mA	○	○	●	○	○	○
1500mA	○	●	○	○	○	○
1450mA	●	○	○	○	○	○
1400mA	○	○	●	○	○	●
1350mA	○	●	○	○	○	○
1300mA	○	○	○	●	○	○
1250mA	●	○	○	○	○	○

## Standard comply

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

## Specific Technical Data

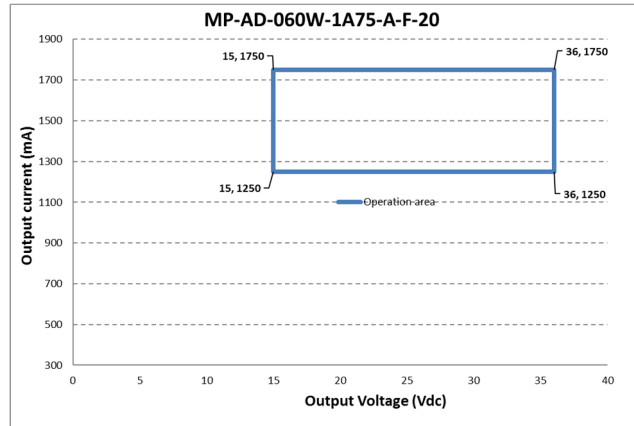
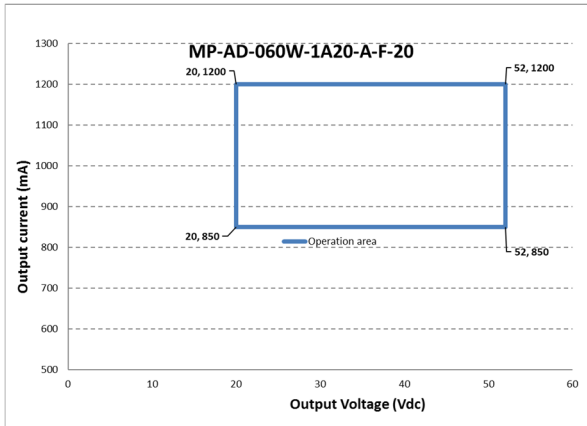
Order Part number	Max. output current	Output voltage	Output current tolerance
MP-AD-060W-1A20-A-F-20	850-1200mA <sup>(1) (2)</sup>	20 - 52 Vdc (max. 60 Vdc)	±5%
MP-AD-060W-1A75-A-F-20	1250-1750mA <sup>(1) (2)</sup>	12 - 36 Vdc (max. 45 Vdc)	±5%

**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

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

### Operation Output Diagram:



### Outlook (in mm):

