MEAN WELL XLC-60-MA 60W Multiple Stage Constant Power Constant Voltage LED Driver User Guide

May 20, 2025

Contents [hide]

XLC-60-MA 60W Multiple Stage Constant Power Constant Voltage LED Driver

“

Product Information

Specifications

- Model: XLC-60-MA
- Power: 60W
- Input Voltage: 176-280 VDC
- Output Voltage: 12/24/48V (selectable)
- Features:
  - Constant power mode output with multiple stage selectable by DIP switch
  - Constant voltage mode output
  - Plastic housing with class and PFC design
  - Flicker free, complying with CE ErP directive
  - Standby power consumption: <30s

Product Usage Instructions

Installation Guidelines

The device has an integrated antenna for easy integration.
Follow these guidelines when mounting the device:

- Keep the device away from vertical metal structures.
- If mounting on a metal plate, ensure the antenna is not obscured and there is a cutout under it for RF signal transmission.
- Environmental factors and installation positioning may affect communication range, necessitating on-site adjustments and testing.

Resetting AC ON/OFF Process

If there is a malfunction in the ‘AC ON/OFF process’, reset by following these methods:

1. AC ON time exceeds 25 seconds.
2. AC ON times for 2-5 seconds and repeat twice.

Additional Information

For detailed installation instructions, refer to the Installation Manual.

Frequently Asked Questions (FAQ)

Q: How do I select the output voltage?

A: The output voltage (12/24/48V) can be selected by using the DIP switch on the device.

Q: What should I do if the device malfunctions during the AC ON/OFF process?

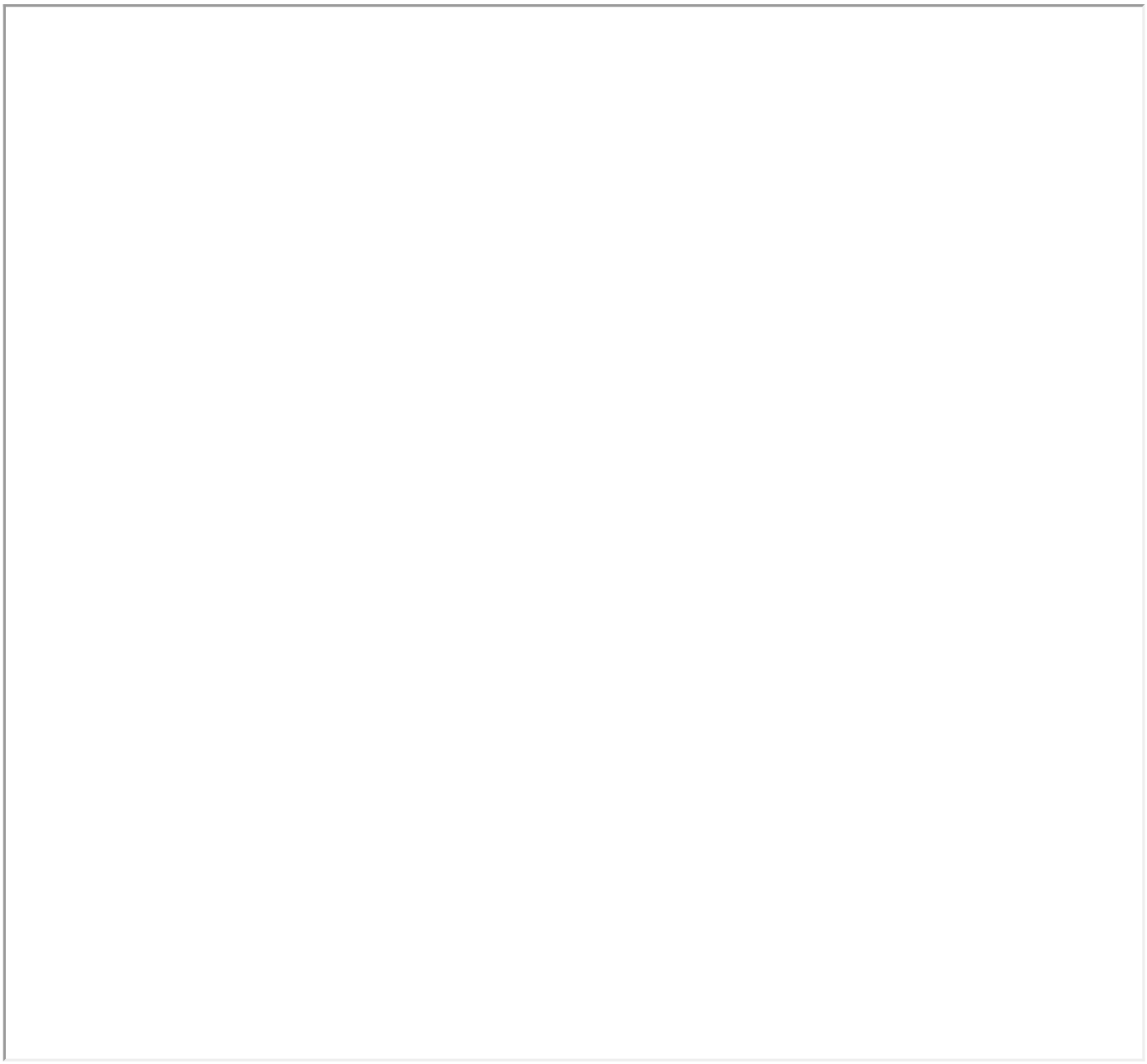
A: Follow the reset methods mentioned in the user manual to reset the AC ON/OFF process.

Q: How can I maximize the communication range of the device?

A: Follow the placement guidelines provided in the manual to ensure optimal communication range.

“`

View Fullscreen



XLC-60-MA 60W Multiple-Stage Constant Power/Constant Voltage LED Driver

series

User’s Manual

XLC-60-MAS Series (Independent type)

XLC-60-MA Series (Built-in type)

110
for XLC-60 MAS series

M M EL
DC Input: 176-280 VDC

SELV

Note.8

Features
Constant power mode output with multiple stage selectable by DIP switch (H-type) Constant voltage mode output(12/24/48V) Plastic housing with class and PFC design Flicker free, complying with CE ErP directive Standby power consumption <0.5W Meet emergency lighting (EL) application Minimum dimming level 0.1% (12/24/48V) Minimum dimming level 0.5% (H-type) Matter over thread, Matter 1.3 specification 5 years warranty

Applications
Recessed Light Down Light Panel Light Commercial Lighting Decorative Lighting LED strip lighting Matter wireless Lighting
GTIN CODE
MW Search: https://www.meanwell.com/serviceGTIN.aspx

Description
XLC-60-MA series is a 60W with constant power and constant voltage output LED driver . It can operate from 100~305V AC and output current ranging between 900 mA to 1700 mA selectable by DIP switch. Thanks to high efficiency up to 90%, it is able to operate for -25~90 case temperature under free air convection. XLC-60-MA series is designed based on latest safety regulations with matter wireless dimming.It provides more flexibility for LED Lighting application.

Model Encoding XLC – 60 – – MA

Blank: without strain-relief (Built-in type)
Casing type: S: with strain-relief (Independent type)
Function options: Matter wireless dimming
Rated output voltage (12/24/48V or H-type) Rated wattage Series name

Type MA
MAS

Function

Note

H type output current selectable by DIP switch, without strain-relief(Built-in type) 12, 24, 48V Constant voltage output, without strain-relief(Built-in type)

In stock

H type output current selectable by DIP switch, with strain-relief(Independent type) In stock
12, 24, 48V Constant voltage output, with strain-relief(Independent type)

File Name:XLC-60-MA-SPEC 2025-02-24

60W Constant Voltage LED Driver

XLC-60-MA series

SPECIFICATION

MODEL

XLC-60 -12-MA

XLC-60-24-MA

XLC-60-48-MA

OUTPUT

DC VOLTAGE DEFAULT CURRENT RATED POWER SETUP,RISE TIME VOLTAGE RANGE

12V

24V

5A

2.5A

Note.2 60W

60W

Note.3 2500ms,180ms/230VAC ,2500ms,180ms/115VAC

100~305VAC

155~400VDC

48V 1.25A 60W

INPUT

FREQUENCY RANGE
POWER FACTOR
TOTAL HARMONIC DISTORTION EFFICIENCY(Typ.) AC CURRENT INRUSH CURRENT

47 ~ 63Hz

PF0.95/115VAC, PF0.95/230VAC, PF0.9/277VAC@full load (Please refer to “POWER FACTOR (PF) CHARACTERISTIC” section)

THD< 20%(@load 60%/230VAC; @load 75%/277VAC); THD<10%@load 100%/230VAC (Please refer to “TOTAL HARMONIC DISTORTION(THD)” section)

86%

87%

88%

0.75A/115VAC, 0.35A/230VAC, 0.3A/277VAC

COLD START 15A(twidth=310s measured at 50% Ipeak) at 230VAC; Per NEMA 410

MAX. NO. of PSUs on 16A CIRCUIT BREAKER
LEAKAGE CURRENT

25 units (circuit breaker of type B) / 36 units (circuit breaker of type C) at 230VAC
<0.75mA / 277VAC

STANDBY POWER CONSUMPTION
OVERLOAD

Note.4 Standby power consumption<0.5W (Dimming OFF)
105~200% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed.

SHORT CIRCUIT PROTECTION
OVER VOLTAGE

Hiccup mode, recovers automatically after fault condition is removed

14~17V

26~35V

Shut down output voltage, re-power on to recover

52~63V

OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY ENVIRONMENT STORAGE TEMP.,HUMIDITY TEMP. COEFFICIENT VIBRATION

Shut down output voltage, recovers automatically after fault condition is removed
Tcase=-25~90 (Please refer to ” OUTPUT LOAD vs TEMPERATURE” section) Tcase=90
20 ~ 90% RH non-condensing -40 ~ +80, 10 ~ 95% RH ±0.03%/ (0 ~ 50) 10 ~ 500Hz,
2G 10min./1cycle, period for 60min. each along X, Y, Z axes

SAFETY STANDARDS
WITHSTAND VOLTAGE ISOLATION RESISTANCE

CSA C22.2 No. 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(EL)
appendix J suitable for emergency installations (DC input 176-280VDC); BS
EN/EN62384 , GB/T 19510.1, GB/T 19510.213, EAC TP TC 004 approved; Design refer
to AS/NZS 61347-1, AS/NZS 61347-2-13
I/P-O/P: 3.75KVAC
I/P-O/P: >100M Ohms / 500VDC / 25/ 70% RH

Parameter

Standard

Test Level/Note

EMC EMISSION

Conducted Radiated

BS EN/EN55015(CISPR15) ,GB/T 17743

—

BS EN/EN55015(CISPR15) ,GB/T 17743

—

SAFETY &
EMC

Harmonic Current Voltage Flicker BS EN/EN61547 Parameter

BS EN/EN61000-3-2 , GB17625.1 BS EN/EN61000-3-3
Standard

Class C @load60% ——
Test Level/Note

EMC IMMUNITY

ESD Radiated EFT/Burst Surge Conducted Magnetic Field
Voltage Dips and Interruptions

BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5
BS EN/EN61000-4-6 BS EN/EN61000-4-8
BS EN/EN61000-4-11

Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 3, 1KV/Line-Line Level 2
Level 2 70% residual voltage for 10 period, 0% residual voltage for 0.5 periods

OTHERS

MATTER STANDARD FLICKER MTBF DIMENSION PACKING

Matter 1.3 Specification

Note.7 PstLM 1, SVM 0.4

4130.5K hrs min. Telcordia SR-332 (Bellcore) 317.7Khrs min. MIL-HDBK-217F (25)

176*45*32mm , 136*45*32mm (L*W*H)

0.32Kg; 40pcs/13.8Kg/0.48CUFT(for Blank type);

0.39Kg; 40pcs/16.6Kg/0.61CUFT(for S-type);

NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25 of ambient temperature. 2. De-rating may be needed under low input voltages. Please refer to STATIC CHARACTERISTIC sections for details. 3. Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time. 4. Standby power consumption is measured at 230VAC. 5. The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 6. The ambient temperature derating of 3.5/1000m with fanless models and of 5/1000m with fan models for operating altitude higher than 2000m(6500ft). 7. Flicker is measured at full load with the light source provided by MEAN WELL. 8. For XLC-S series: RCM is on a voluntary basis. Non IC classification Independent LED control gear is not suitable for residential installations. For XLC(except -S) series: RCM is on a voluntary basis and meets relevant IEC or AS/NZS standards complying with AS/NZS 4417.1. 9. This series meets the typical life expectancy of 50000 hours of operation when Tcase, particularly tc point(or TMP, per DLC), is about 75 or less. 10. For more information, please contact with MEAN WELL sales.
Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

File Name:XLC-60-MA-SPEC 2025-02-24

60W Multiple-Stage Constant Power LED Driver

XLC-60-MA series

SPECIFICATION

MODEL

XLC-60-H-MA

OPEN CIRCUIT VOLTAGE Note.2 60V

DEFAULT CURRENT

1400mA

CURRENT ADJ. RANGE (BY DIP SWITCH)

0.9~1.7A

CONSTANT CURRENT OUTPUT REGION
RATED POWER

9~54V Note.4 60W

CURRENT RIPPLE

Note.5 <4%

CURRENT TOLERANCE

±5%

DIMMING RANGE

0~100%

SETUP, RISE TIME

Note.6 2500ms,100ms/230VAC ,2500ms,100ms/115VAC

VOLTAGE RANGE

100~305VAC

155~400VDC

FREQUENCY RANGE

47 ~ 63Hz

POWER FACTOR

PF0.95/115VAC, PF0.95/230VAC,PF0.9/277VAC@full load (Please refer to “POWER FACTOR (PF) CHARACTERISTIC” section)

TOTAL HARMONIC DISTORTION

THD< 20%(@load 60%/230VAC; @load 75%/277VAC); THD<10%@load 100%/230VAC (Please refer to “TOTAL HARMONIC DISTORTION(THD)” section)

EFFICIENCY(Typ.) INPUT
AC CURRENT

Note.7 90% 0.75A/115VAC, 0.35A/230VAC, 0.3A/277VAC

INRUSH CURRENT

COLD START 15A(twidth=310s measured at 50% Ipeak) at 230VAC; Per NEMA 410

MAX. NO. of PSUs on 16A CIRCUIT BREAKER

25 units (circuit breaker of type B) / 36 units (circuit breaker of type C) at 230VAC

LEAKAGE CURRENT

<0.75mA / 277VAC

STANDBY POWER CONSUMPTION

Note.9 Standby power consumption<0.5W (Dimming off)

SHORT CIRCUIT PROTECTION
OVER TEMPERATURE

Hiccup mode, recovers automatically after fault condition is removed Stage 1: De-rating to 75% loading; Stage 2: De-rating to 50% loading. Recovers automatically after fault condition is removed.

WORKING TEMP.

Tcase=-25~90 (Please refer to ” OUTPUT LOAD vs TEMPERATURE” section)

MAX. CASE TEMP.

Tcase=90

WORKING HUMIDITY ENVIRONMENT
STORAGE TEMP., HUMIDITY

20 ~ 90% RH non-condensing -40 ~ +80, 10 ~ 95% RH

TEMP. COEFFICIENT

±0.03%/ (0 ~ 50)

VIBRATION

10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes

SAFETY STANDARDS

CSA C22.2 No. 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(EL) appendix J suitable for emergency installations (DC input 176-280VDC); BS EN/EN62384 , GB/T 19510.1, GB/T 19510.213, EAC TP TC 004 approved; Design refer to AS/NZS 61347-1, AS/NZS 61347-2-13

WITHSTAND VOLTAGE

I/P-O/P: 3.75KVAC

ISOLATION RESISTANCE

EMC EMISSION SAFETY

& EMC

EMC IMMUNITY

I/P-O/P: >100M Ohms / 500VDC / 25/ 70% RH

Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547

Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field

Standard BS EN/EN55015(CISPR15) ,GB/T 17743 BS EN/EN55015(CISPR15) ,GB/T 17743 BS EN/EN61000-3-2 , GB17625.1 BS EN/EN61000-3-3

Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8

Voltage Dips and Interruptions

BS EN/EN61000-4-11

Test Level/Note ———Class C @load60% ——

Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 3, 1KV/Line-Line Level 2 Level 2 70% residual voltage for 10 period, 0% residual voltage for 0.5 periods

MATTER STANDARD

Matter 1.3 Specification

FLICKER

Note.10 PstLM 1, SVM 0.4

OTHERS MTBF

4130.5K hrs min. Telcordia SR-332 (Bellcore) 317.7Khrs min. MIL-HDBK-217F (25)

DIMENSION

176*45*32mm , 136*45*32mm (L*W*H)

PACKING

0.32Kg; 40pcs/13.8Kg/0.48CUFT(for blank type);

0.39Kg; 40pcs/16.6Kg/0.61CUFT(for S-type);

NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25 of ambient temperature. 2. Output hiccups under no-load condition. 3. Please refer to DRIVER METHODS OF LED MODULE. 4. De-rating may be needed under low input voltages. Please refer to STATIC CHARACTERISTIC sections for details. 5. Current ripple is measured 50%~100% of maximum voltage under rated power delivery. 6. Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time. 7. Efficiency is measured at 1050mA/54V output set by DIP switch. 8. For XLC-S series: RCM is on a voluntary basis. Non IC classification Independent LED control gear is not suitable for residential installations.
For XLC(except -S) series: RCM is on a voluntary basis and meets relevant IEC or AS/NZS standards complying with AS/NZS 4417.1. 9. Standby power consumption is measured at 230VAC. 10. Flicker is measured at full load with the light source provided by MEAN WELL. 11. The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final
equipment manufacturers must re-qualify EMC Directive on the complete installation again. (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 12. The ambient temperature derating of 3.5/1000m with fanless models and of 5/1000m with fan models for operating altitude higher than 2000m (6500ft). 13. This series meets the typical life expectancy of 50000 hours of operation when Tcase, particularly tc point (or TMP, per DLC), is about 75 or less. 14. For more information, please contact with MEAN WELL sales.
Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

File Name:XLC-60-MA-SPEC 2025-02-24

XLC-60-MA 60W Multiple-Stage Constant Power/Constant Voltage LED Driver

series

BLOCK DIAGRAM

EMI FILTER

I/P

&

RECTIFIERS

POWER SWITCHING

O.L.P.

PWM&PFC CONTROL

RECTIFIERS &
FILTER
O.T.P.

DC to DC
CURRENT & VOLTAGE LIMIT DETECTION
CIRCUIT

Fosc : 90KHz +V -V
MATTER MODULE

DRIVING METHODS OF LED MODULE

I-V Operating Area

XLC-60-H-MA

For 60W application

60V 55V 50V 45V 40V 35V 30V 25V 20V 15V 10V
5V 0V
600mA

900mA, 54V 1050mA, 54V 1400mA, 43V 1700mA, 36V

900mA, 9V

1700mA, 9V

800mA 1000mA 1200mA 1400mA 1600mA 1800mA

CONSTANT POWER TABLE
XLC-60-H-MA is a multiple-stage constant power driver, selection of output current through DIP switch setting is exhibited below.

Vo

Io

DIP S.W

1

2

3

9~54V 900mA

—-

—-

—-

9~54V 1050mA

—-

—-

ON

9~50V 1200mA

—-

ON

—-

9~46V 1300mA

—-

ON

ON

9~43V 1400mA(default)

ON

—-

—-

9~40V 1500mA

ON

—-

ON

9~38V 1600mA

ON

ON

—-

9~36V 1700mA

ON

ON

ON

Note: The operating voltage range which show on this table is recommend to use.

File Name:XLC-60-MA-SPEC 2025-02-24

XLC-60-MA 60W Multiple-Stage Constant Power/Constant Voltage LED Driver

series

PWM OUTPUT DIMMING PRINCIPLE
For 12V/24V/48V PWM style output dimming Dimming is achieved by varying the duty cycle of the output current.
ON Output DC current

Io=0A

OFF TON

T

TON

Duty cycle(%) =

×100%

T

Output PWM frequency : 3.2kHz(Typ.)

OUTPUT LOAD vs TEMPERATURE

LOAD (%)

100 12,24V/230VAC

80

48V/H type/230VAC

60

110VAC

40

20

-25 -15

0

15

30

40 45 50 60

AMBIENT TEMPERATURE ,Ta ()

70 (HORIZONTAL)

LOAD (%)

100 80 60 40 20

-25

0

20

45

55

65

75 85 90 (HORIZONTAL)

Tcase ()

LOAD (%)

STATIC CHARACTERISTIC
100 90 80 70 60 50 40
100 110 130 150 170 190 210 230 250 270 290 305
INPUT VOLTAGE (V) 60Hz De-rating is needed under low input voltage.

LIFETIME(Kh)

LIFE TIME

120 100 80 60 40 20

0 25 30 35 40 45 50 55 60 65 70 75 80 85 90

Tcase ()

File Name:XLC-60-MA-SPEC 2025-02-24

XLC-60-MA 60W Multiple-Stage Constant Power/Constant Voltage LED Driver

series

TOTAL HARMONIC DISTORTION (THD)

XLC-60-H-MA Modle, Tcase at 75

16 14 12 10

8 6 4 2 0

50 %

60 %

70 %

80 %

11 0V A C 23 0V A C 27 7V A C

90 %

10 0%

LOAD (1400mA)

THD

16 14 12 10

8 6 4 2 0

50 %

60 %

70 %

80 %

90 %

10 0%

11 0V A C 23 0V A C 27 7V A C

LOAD (1700mA)

THD PF

POWER FACTOR (PF) CHARACTERISTIC

XLC-60-H-MA Modle, Tcase at 75

1

0.95

0.9

0.85

0.8

0.75

0.7 50%

60%

70%

80%

90% 100%

LOAD (1400mA)

110VAC 230VAC 277VAC

PF

1 0.95
0.9 0.85
0.8 0.75
0.7 50%

60%

70% 80%
LOAD (1700mA)

90% 100%

110VAC 230VAC 277VAC

EFFICIENCY vs LOAD
XLC-60-H-MA series possess superior working efficiency that up to 90% can be reached in field applications. XLC-60-H-MA Modle, Tcase at 75

EFFICIENCY (%)

95 90 85 80 75 70 65 60 55 50
10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
LOAD (1400mA)

110VAC 230VAC 277VAC

EFFICIENCY (%)

95 90 85 80 75 70 65 60 55 50
10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
LOAD (1700mA)

110VAC 230VAC 277VAC

File Name:XLC-60-MA-SPEC 2025-02-24

XLC-60-MA 60W Multiple-Stage Constant Power/Constant Voltage LED Driver

series

37 mm
22.5 1 23
45 mm

MECHANICAL SPECIFICATION
XLC-60-MA series Built-in Type
2-3.6

1 2

TB1

136 mm

tc

54

TB2

1 2

LED INDICATOR RESET BUTTON

DIP-SWITCH
(only for H type)

Case No.XLC-60 Unit:mm Tolerance:±1

TB1 wiring: 8-9mm

128 mm

Terminal Pin No. Assignment(TB1)

Pin No. 1 2

Assignment AC/N AC/L

Terminal Pin No. Assignment(TB2)

Pin No. Assignment

1

+V

2

-V

TB2 wiring: 8-9mm

32 mm

0.5-1.50mm2

0.5-1.50mm2

XLC-60-MAS series Independent Type

2-3.6

1

2 TB1

176 mm 136 mm 128 mm

tc

54

TB2 1

2

LED INDICATOR RESET BUTTON

DIP-SWITCH

(only for H type)

22.5

37 mm

Case No.XLC-60-S Unit:mm Tolerance:±1

45 mm 31.5 mm

TB1 wiring: 8-9mm

Terminal Pin No. Assignment(TB1)

Pin No. 1 2

Assignment AC/N AC/L

Terminal Pin No. Assignment(TB2)

Pin No. 1 2

Assignment +V -V

TB2 wiring: 8-9mm

32 mm

0.75-1.5mm2 LED indicator

Flash slowly Flash quickly Constantly ON Constantly OFF

Bluetooth Broadcast running Factory Reset running. Matter wireless connected Matter wireless disconnected and Bluetooth Broadcast OFF

0.5-1.5mm2

File Name:XLC-60-MA-SPEC 2025-02-24

XLC-60-MA 60W Multiple-Stage Constant Power/Constant Voltage LED Driver

series

FACTORY RESET
By RESET BUTTON Press and hold the reset button for 10 seconds. When the LED indicator flashes quickly, release the button. The factory reset will then be completed.

1 2

TB1

TB2

1 2

LED INDICATOR RESET BUTTON

DIP-SWITCH

(only for H type)

1 23

By AC ON/OFF

To perform factory reset through AC ON/OFF, the following process must be strictly followed. If the AC ON/OFF process is correct, the output light will flash for 15 seconds. When the flashing stop, it means the factory reset is completed. This operation is consistent with the factory reset effect performed by long-pressing the reset button.

AC ON/OFF process to executes factory reset:

1

2

3

4

5

6

7

8

9

10

11

>25s

10-15s

>30s 2-5s >30s

10-15s

>30s

2-5s

>30s

2-5s >30s

Phase 1 2 3 4 5 6 7 8 9 10
11

Duration 10-15s >30s 2-5s >30s 10-15s >30s 2-5s >30s 2-5s >30s
>25s

AC status ON OFF ON OFF ON OFF ON OFF ON OFF ON(should wait until output light stop flashing)

If there is a malfunction in the ‘AC ON/OFF process’, the process can be reset by the following method, starting from stage 1 again.

Method 1: AC ON time exceeds 25 seconds

Method 2: AC ON times for 2-5s and twice

>25s >30s

2-5s

2-5s

>30s

>30s

>30s

File Name:XLC-60-MA-SPEC 2025-02-24

XLC-60-MA 60W Multiple-Stage Constant Power/Constant Voltage LED Driver

series

PLACEMENT
Matter device has an integrated antenna for easy integration. In order to maximize the range in every direction, some design guidelines should be taken into consideration when mounting the device.
The antenna positions of the device are shown in the figure below:

AC Input

Antenna location DC Output

AC Input

Antenna location

DC Output

Keep the device as far away as possible from vertical metal structures.
When the device is mounted on a metal plate, the antenna should not be obscured, and there needs to be a cutout under the antenna to ensure that the RF signal can be transmitted.
The device’s communication range may be influenced by environmental factors and installation positioning, necessitating on-site adjustments and testing.

Installation Manual
Please refer to : http://www.meanwell.com/manual.html

File Name:XLC-60-MA-SPEC 2025-02-24

Documents / Resources

	MEAN WELL XLC-60-MA 60W Multiple Stage Constant Power Constant Voltage LED Driver [pdf] User Guide XLC-60-MAS, XLC-60-MA, XLC-60-MA 60W Multiple Stage Constant Power Constant Voltage LED Driver, XLC-60-MA, 60W Multiple Stage Constant Power Constant Voltage LED Driver, Constant Power Constant Voltage LED Driver, Constant Voltage LED Driver, Voltage LED Driver, LED Driver, Driver

References

- User Manual

MEAN WELL

60W Multiple Stage Constant Power Constant Voltage LED Driver, Constant Power Constant Voltage LED Driver, Constant Voltage LED Driver, driver, LED Driver, MEAN WELL, Voltage LED Driver, XLC-60-MA, XLC-60-MA 60W Multiple Stage Constant Power Constant Voltage LED Driver, XLC-60-MAS

Leave a comment

Your email address will not be published. Required fields are marked *

Comment *

Name

Email

Website

Save my name, email, and website in this browser for the next time I comment.

Post Comment

Search:

e.g. whirlpool wrf535swhz

Search