



*Your Reliable Power Partner*  
Standard LED Driver Manufacturer



# Group Overview

Founded in 1982, MEAN WELL is one of the world's few manufacturers dedicated to standard power supply products. It is ranked the 4th in global power supply (DC output) makers according to a report by Micro Technology released in March, 2021.

MEAN WELL has been working as a "reliable partner" with customers, suppliers, contractors, and employees to build long lasting mutual trust relationships based on the spirit of "good intentions." The product lines include AC/DC power supplies, LED drivers, AC/DC battery chargers, DC/DC converters, DC/AC inverters. We have over 10,000 standard models widely used in medical, automation, communication, LED lighting, moving sign, and office automation fields.



Established MEAN WELL USA  
INC. in Fremont, CA



Established MEAN WELL Europe B.V. in  
The Netherlands



Established Suzhou MEAN WELL  
Technology Co., Ltd.

Established MEAN WELL  
(GUANGZHOU) Electronics Co., Ltd.

1993

1999

2006

2016

MEAN WELL's new factory officially  
operated in Huadu Dist., Guangzhou, China

1982

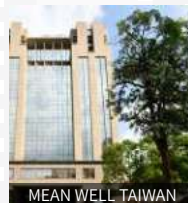
Established MEAN WELL  
ENTERPRISES CO., LTD.  
in Banqiao City, Taiwan

1997

Established POWERNEX  
Electronics Co., Ltd.

2002

Taiwan headquarter moved  
to HQ Building in Wugu Dist.,  
New Taipei City



MEAN WELL TAIWAN

MEAN WELL Smart Park officially operated in Suzhou, China  
 SDG Take-off year  
 SDG Group (MEAN WELL / POWERNEX / SHARE WELL) aims to establish more ESG companies.  
 Established MEAN WELL Malaysia Sdn. Bhd.  
 Established Suzhou SHARE WELL Tech. Co., Ltd  
 Established Suzhou SHARE WELL SMD Technology Co., Ltd.  
 Established Suzhou SHARE WELL Magnetic Technology Co., Ltd.  
 Established Suzhou CHENG WELL Precision Technology Co., Ltd.  
 Established Powernex Management Consulting Co., Ltd.  
 Established Powernex Precision Technology Co., Ltd.

Consolidated revenue of US\$1 billion  
 (approximately RMB 7 billion)

Established MEAN WELL International Co., Ltd, in Seoul, Korea

Established MEAN WELL ASEAN Regional Office in Kuala Lumpur, Malaysia

Established Guangzhou SHARE WELL Investment Co., Ltd.



Established SUZHOU SHARE WELL CERTIFICATION CO., LTD.

2022

2023

2018

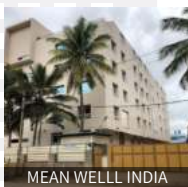
2021

2017

Established USA Eastern Sales Office

2019

Established a new warehouse in Kansas City, Missouri, USA  
 Established MEAN WELL India in Bengaluru



2020

Established Suzhou SHARE WELL Technology CO., LTD.  
 Established "MEAN WELL Welfare Foundation- Base for Community Services" at the original founded site

- SDG Debut Year
- Develop the SDG Group with the "Reliable Partners and Sustainable Development" spirits
- Established MEAN WELL Singapore Pte.Ltd.

Historical Evolution: 1982—2023→



# Competitiveness



## Product

Up to 10,000 models with adding 10% new products and phasing out 5% old products every year.



## Quality

High reliability and quality indicator – 10% lower.



## Cost

High cost-performance products, stable material price due to integration.



## Delivery

24-hour delivery for small amount order, 14-day delivery for frequent purchase standard products.



## Service

Service in 24 hours is offered by MEAN WELL Group and our distributors.



## Reliable Relationship

75% of total revenue and purchases come from customers and suppliers with more than 15 years transaction.

# Standard Power Supply Solution

## 2 Main Stream Product Lines



Enclosed Type

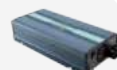


LED Driver

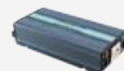
## 6 Niche Product Lines



DIN Rail Type



Battery Charger



DC/AC Inverter



DC/DC Converter



Adaptor



On Board Type

## 3+N System solutions



KNX Product



DALI-2 Controller



CMU2 Control and Monitor Unit



19" Rack Power



Modular Power



System Power

## VFD Variable Frequency Drive



Enclosed Type



PCB Type

# INDEX



## Plastic Case

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| 👍 APC | 02 |
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| 👍 LPV | 03 |
| LPVL  | 03 |
| LPHC  | 03 |
| 👍 LPC | 03 |
| 👍 NPF | 04 |
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The Premium Series



The Best Cost-Performance

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## Plastic Case

|    |               |    |               |    |               |    |               |
|----|---------------|----|---------------|----|---------------|----|---------------|
| 02 | AP (8~35W)    | 04 | LPF (16~90W)  | 06 | PCD (16~60W)  | 08 | XLC (25~60W)  |
| 03 | LP (18~150W)  | 05 | PWM (40~200W) | 07 | OWA (60~200W) | 09 | LCM (25~60W)  |
| 04 | NPF (40~200W) | 06 | PLD (16~60W)  | 07 | GSV (30~60W)  | 10 | SLD (50~150W) |
|    |               |    |               | 08 | XLN (25~60W)  | 10 | LDC (35~80W)  |

### Application

|        |               |                      |               |       |        |            |                |                       |                       |
|--------|---------------|----------------------|---------------|-------|--------|------------|----------------|-----------------------|-----------------------|
|        |               |                      |               |       |        |            |                |                       |                       |
| Indoor | LED Bar Light | LED Sign Board Strip | LED Softstrip | MR 16 | AR 111 | Down Light | Recessed Light | Surface Mounted Light | Surface Mounted Light |

# 8~35W

# AP Series

## ■ Features

- Constant voltage mode for APV series
- Constant current mode for APC series
- Universal AC input : 90~264VAC
- Withstand 300VAC surge input for 5 secs. (APV-25/35)
- Isolation class II, no F.G.
- Class 2 power unit / Pass LPS  
(except for APV/APC-8, APC-25-350 and APC-35-350/500)
- Fully isolated plastic case with IP42 level
- Protections: Short Circuit / Overload (only for APV series) /  
Over Voltage(except for APC-8)
- No load power consumption <0.5W for APV/APC-8
- 2 years warranty



APV Spec



APC Spec

## ■ Models



| Model No.      | APV-8      | APV-12   | APV-16 | APV-25   | APV-35 |
|----------------|------------|----------|--------|----------|--------|
| Output (V)     | 5          | 5        | 5      | 5        | 5      |
|                | 12         | 12       | 12     | 12       | 12     |
|                | 24         | 15       | 15     | 15       | 15     |
|                |            | 24       | 24     | 24       | 24     |
|                |            |          |        | 36       | 36     |
| Dimension (mm) | 60x30x23.5 | 77x40x29 |        | 84x57x29 |        |

| Model No.      | APC-8      | APC-12   | APC-16 | APC-25     | APC-35 |
|----------------|------------|----------|--------|------------|--------|
| Output (mA)    | 250        | 350      | 350    | 350        | 350    |
|                | 350        | 700      | 700    | 500        | 500    |
|                | 500        |          |        | 700        | 700    |
|                | 700        |          |        | 1050       | 1050   |
| Dimension (mm) | 60x30x23.5 | 77x40x29 |        | 84x57x29.9 |        |

Note: These models are not intended for lighting application in the EU. (EU Recommendation: NPF/LPF/LCM/XLC Series)

# LP Series

18~150W

## ■ Features

- Constant voltage mode for LPH / LPV / LPVL series  
Constant current mode for LPHC / LPC series
- Fully encapsulated with IP67 level
- Isolation class II, no F.G.
- Class 2 power unit / Pass LPS  
(except for LPV/LPVL/LPC-100~150 and LPV-60-5)
- Protections: Short Circuit / Over Voltage / Overload  
(only for LPV series) / Over Temperature  
(only for 18W&150W)
- 2 years warranty



LPH Spec



LPV(L) Spec



LPHC Spec



LPC Spec

## ■ Models



| Model No.      | LPH-18    | LPV-20    | LPV-35    | LPV-60    | LPV-100   | LPV-150     | LPVL-150 |
|----------------|-----------|-----------|-----------|-----------|-----------|-------------|----------|
| Input (V)      | 180~264   | 90~264    | 90~264    | 90~264    | 90~264    | 180~305     | 90~132   |
| Output (V)     | 12        | 5         | 5         | 5         | 5         | 12          | 12       |
|                | 24        | 12        | 12        | 12        | 12        | 15          | 24       |
|                | 36        | 15        | 15        | 15        | 15        | 24          |          |
|                |           | 24        | 24        | 24        | 24        | 36          |          |
|                |           |           | 36        | 36        | 36        | 48          |          |
|                |           |           |           | 48        | 48        |             |          |
| Dimension (mm) | 140x30x22 | 118x35x26 | 148x40x30 | 162x42x32 | 190x52x37 | 191x63x37.5 |          |

| Model No.      | LPHC-18   | LPC-20    | LPC-35    | LPC-60        | LPC-100   | LPC-150     |
|----------------|-----------|-----------|-----------|---------------|-----------|-------------|
| Input (V)      | 180~264   | 90~264    | 90~264    | 90~264        | 90~264    | 180~305     |
| Output (mA)    | 350       | 350       | 700       | 1050          | 350       | 350         |
|                | 700       | 700       | 1050      | 1400          | 500       | 500         |
|                |           |           | 1400      | 1750          | 700       | 700         |
|                |           |           |           |               | 1050      | 1050        |
|                |           |           |           |               | 1400      | 1400        |
|                |           |           |           |               | 1750      | 1750        |
|                |           |           |           |               | 2100      | 2100        |
|                |           |           |           |               |           | 2450        |
|                |           |           |           |               |           | 2800        |
|                |           |           |           |               |           | 3150        |
| Dimension (mm) | 140x30x22 | 118x35x26 | 148x40x30 | 162.5x42.5x32 | 190x52x37 | 191x63x37.5 |

Note: These models are not intended for lighting application in the EU. (EU Recommendation: NPF/LPF/XLN/XLG Series)

# 40~200W & 16~90W

# NPF/LPF Series

## ■ NPF Features

- Constant voltage+constant current modes
- V-Type: Constant voltage mode only  
D-Type: Constant current mode only,
- Built-in 3 in 1 dimming function  
(0~10VDC, PWM signal or resistance)
- Wide AC input: 90~305VAC
- No load power consumption <0.15W  
(<0.5W for D-Type)
- Fully isolated plastic case with IP67 level
- Isolation class II, no F.G.
- Class 2 power unit
- Protections: Short Circuit / Over Current /  
Over Voltage / Over Temp.
- 5 years warranty



NPF Spec

## ■ LPF Features

- Constant voltage+constant current modes
- D-Type: Constant current mode only,
- Built-in 3 in 1 dimming function  
(1~10VDC, PWM signal or resistance)
- Wide AC input: 90~305VAC
- Fully isolated plastic case with IP67 level  
(optional for LPF-16/16D)
- Isolation class II/2, no F.G.
- Protections: Short Circuit / Over Current /  
Over Voltage / Over Temp.
- 5 years warranty



LPF Spec

## ■ Models



| Model No.      | NPF-40(D) | NPF-60(D) | NPF-90(D)   | NPF-120(D)  | NPF-200(V)  |
|----------------|-----------|-----------|-------------|-------------|-------------|
| Output (V)     | 12        | 12        | 12          | 12□         | 12          |
|                | 15        | 15        | 15          | 15□         | 24          |
|                | 20        | 20        | 20          | 20□         | 36          |
|                | 24        | 24        | 24          | 24□         | 42          |
|                | 30        | 30        | 30          | 30□         | 48          |
|                | 36        | 36        | 36          | 36□         | 54          |
|                | 42        | 42        | 42          | 42□         |             |
|                | 48        | 48        | 48          | 48□         |             |
|                | 54        | 54        | 54          | 54□         |             |
| Dimension (mm) | 150x53x35 |           | 171x63x37.5 | 191x63x37.5 | 195x68x39.5 |

□= Blank, BE; Blank: without auxiliary output, BE: D-Type with auxiliary function; V-Type: Suitable for poultry lighting or LED strip



| Model No.      | LPF-16(D) | LPF-25(D) | LPF-40(D)   | LPF-60(D) | LPF-90(D) |
|----------------|-----------|-----------|-------------|-----------|-----------|
| Output (V)     | 12        | 12        | 12          | 12        | 15        |
|                | 15        | 15        | 15          | 15        | 20        |
|                | 20        | 20        | 20          | 20        | 24        |
|                | 24        | 24        | 24          | 24        | 30        |
|                | 30        | 30        | 30          | 30        | 36        |
|                | 36        | 36        | 36          | 36        | 42        |
|                | 42        | 42        | 42          | 42        | 48        |
|                | 48        | 48        | 48          | 48        | 54        |
|                | 54        | 54        | 54          | 54        |           |
| Dimension (mm) | 148x40x32 |           | 162.5x43x32 |           | 161x61x36 |

# PWM Series

40~200W

## Features

- Constant voltage PWM style output mode
- Wide AC input: 90~305VAC
- Multiple dimming functions available:  
3 in 1 / DALI / DALI-2 / KNX
- Built-in active PFC function
- High efficiency up to 94%
- No load power consumption <0.5W
- Fully isolated plastic case with IP67 level
- Isolation class II, no F.G.
- Minimum dimming level 0.2% for DALI type
- Protections: Short Circuit / Overload /  
Over Voltage / Over Temp.
- 5 years warranty



PWM-40



PWM-60



PWM-90



PWM-120



PWM-200

## Models



| Model No.      | PWM-40    | PWM-60 | PWM-90      | PWM-120     | PWM-200     |
|----------------|-----------|--------|-------------|-------------|-------------|
| Output (V)     | 12        | 12○    | 12□         | 12○         | 12○         |
|                | 24        | 24○    | 24□         | 24○         | 24○         |
|                | 36        | 36     | 36          | 36          | 36○         |
|                | 48        | 48     | 48□         | 48          | 48○         |
| Dimension (mm) | 150x53x35 |        | 171x63x37.5 | 191x63x37.5 | 195x68x39.5 |

□ = Blank, DA, DA2      ○ = Blank, DA, DA2, KN, KNBST

Blank: with 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)

DA/DA2: DA= DALI control technology ; DA2= DALI-2 control technology

KN: KNX control technology

KNBST: KNX control technology with BST14 connector

16~60W

# PLD/PCD Series

## ■ Features

- Constant current mode
- AC phase-cut dimming, work with leading edge and trailing edge TRIAC dimmers (only for PCD series)
- Built-in active PFC function
- Fully isolated plastic case with IP42 level
- Isolation class II, no F.G.
- Class 2 power unit / Pass LPS (only for 16W/25W)
- Protections: Short Circuit / Over Temp.
- 3 years warranty



PLD Spec



PCD Spec

## ■ Models



| Model No.      | PLD-16     | PLD-25 (Note 1) | PLD-40      | PLD-60 |
|----------------|------------|-----------------|-------------|--------|
| Output (mA)    | 350□       | 350             | 350B        | 500B   |
|                | 700□       | 700             | 500B        | 700B   |
|                | 1050□      | 1050            | 700B        | 1050B  |
|                | 1400□      | 1400            | 1050B       | 1400B  |
|                |            |                 | 1400B       | 1750B  |
|                |            |                 | 1750B       | 2000B  |
|                |            |                 |             | 2400B  |
| Dimension (mm) | 84x57x29.5 |                 | 128x60x31.5 |        |

| Model No.      | PCD-16     | PCD-25 | PCD-40      | PCD-60 |
|----------------|------------|--------|-------------|--------|
| Output (mA)    | 350□       | 350□   | 350B        | 500B   |
|                | 700□       | 700□   | 500B        | 700B   |
|                | 1050□      | 1050□  | 700B        | 1050B  |
|                | 1400□      | 1400□  | 1050B       | 1400B  |
|                |            |        | 1400B       | 1750B  |
|                |            |        | 1750B       | 2000B  |
|                |            |        |             | 2400B  |
| Dimension (mm) | 84x57x29.5 |        | 128x60x31.5 |        |

□= A or B      A-Type: 90~135VAC, B-Type: 180~295VAC

Note1: PLD-25 AC input: 90~295VAC

# OWA/GSV Series

60~200W / 30~60W

## OWA Features

- Constant voltage + constant current modes
- Universal AC input: 90~264VAC
- Built-in active PFC function (except for OWA-60)
- Fully encapsulated with IP67 level
- Isolation class II, no F.G.
- Comply with EU ErP and CoC Version 5
- Energy efficiency Level VI
- No load power consumption <0.15W
- Protections: Short Circuit / Overload / Over Voltage / Over Temp.
- 5 years warranty



OWA Spec

## GSV Features

- Constant voltage output
- AC 180~264V input
- Built-in active PFC function
- Meet BS EN61347 regulation
- Isolation class II, no F.G.
- Class 2 power unit
- No load power consumption <0.5W
- Protections: Short Circuit / Overload / Over Voltage
- 3 years warranty



DC plug

Various DC plugs & accessories available, scan the QR code for details.



GSV Spec

## Models



| Model No.      | OWA-60(E/U) | OWA-90(E/U) | OWA-120(E/U) | OWA-200(E/U) |
|----------------|-------------|-------------|--------------|--------------|
| Output (V)     | 12          | 12          | 12           | 12           |
|                | 15          | 15          | 15           | 20           |
|                | 20          | 20○         | 20           | 24           |
|                | 24          | 24○         | 24           | 36           |
|                | 30          | 30○         | 30           | 42           |
|                | 36          | 36○         | 36           | 48           |
|                | 42          | 42○         | 42           | 54           |
|                | 48          | 48○         | 48           |              |
|                | 54          | 54○         | 54           |              |
| Dimension (mm) | 130x53x35   | 171x63x37.5 | 191x63x37.5  | 195x68x39.5  |

E: European 2P, U: American 2P

○=Blank/P1M

Blank: Power DIN 4P with lock type for 12~54V

P1M: 2.5φx5.5φx11mm/C+, tuning fork type for 20~54V



| Model No.      | GSV30        | GSV60        |
|----------------|--------------|--------------|
| Output (V)     | □12-P1J      | □12-P1J      |
|                | □24-P1J      | □24-P1J      |
|                | □48-P1J      | □48-P1J      |
| Dimension (mm) | 75.5x32x47.5 | 75.5x32x47.5 |

□= E/I E: European 2 pin I: Interchangeable type available by request. (AC plug order separately)

# 25~60W

# XLN/XLC Series

## XLN Features

- Comply IEC62386 DALI-2. Part 101/102/207/251.
- Output current adjustable by NFC
- Constant voltage and constant current types available
- Dimming with 3 in 1 / DALI-2 / Push-dim.
- Wide AC input: 90~305VAC
- Standby power consumption <0.5W
- Fully encapsulated with IP67 level
- Isolation class II/2, no F.G.
- Protections: Short Circuit / Overload / Over Voltage / Over Temp.
- 5 years warranty



XLN-25~60W

## XLC Features

- Comply IEC62386 DALI-2. Part 101/102/207/251.
- Output current adjustable by dip-switch or NFC
- Constant voltage and constant current types available
- Dimming with 3 in 1/DALI-2/Push-dim.
- Wide AC input: 90~305VAC
- Standby power consumption <0.5W
- Built-in or Independent Controlgear (Optional)
- Isolation class II/2, no F.G.
- Protections: Short Circuit / Overload / Over Voltage / Over Temp.
- 5 years warranty



XLC-25~60W

XLC-25~60W-S

## Models



| Model No.      | XLN-25-H-□            | XLN-40-H-□           | XLN-60-H-□                      |
|----------------|-----------------------|----------------------|---------------------------------|
| Output         | 12V/2.1A<br>24V/1.05A | 12V/3.4A<br>24V/1.7A | 12V/5A<br>24V/2.5A<br>48V/1.25A |
|                | H: 9~54V<br>0.3~1.05A | H: 9~54V<br>0.6~1.4A | H: 9~54V<br>0.9~1.7A            |
| Dimension (mm) | 114x44x32             |                      | 141.5x49x32                     |

□ = Blank, B, DA2; Blank: without dimming B: with 3 in 1 dimming DA2: with DALI-2 dimming



| Model No.      | XLC-25-H-□○△          | XLC-40-H-□○△         | XLC-60-H-□○△                    |
|----------------|-----------------------|----------------------|---------------------------------|
| Output (V)     | 12V/2.1A<br>24V/1.05A | 12V/3.4A<br>24V/1.7A | 12V/5A<br>24V/2.5A<br>48V/1.25A |
|                | H: 9~54V<br>0.3~1.05A | H: 9~54V<br>0.6~1.4A | H: 9~54V<br>0.9~1.7A            |
| Dimension (mm) | 107x40x32 (147x40x32) |                      | 136x45x32 (176x45x32)           |

□ = Blank, B, DA2 Blank: Without Dimming B: With 3 in 1 dimming DA2: With DALI-2 dimming

○ = Blank, S Blank: Without strain-relief S: With strain-relief

△ = Blank, N Blank: With DIP switch N: With NFC settings (Optional)

Note: 25/40W constant voltage types without dimming

# LCM Series

25~60W

## ■ Features

- Constant current mode
- Multiple-stage output current level selectable by DIP switch
- Multiple dimming functions available:  
3 in 1 dimming / DALI / DALI-2 / KNX
- Isolation class II, no F.G.
- Power supplies synchronization function up to 10 units
- 12V/50mA auxiliary output for LCM-40/60
- DALI device type (DT6) and device type 8 (DT8) available
- Protections: Short Circuit / Over Voltage  
(only for LCM-40/60) / Over Temp.
- 3 years warranty
- 5 years warranty (only for LCM-40TW)



## ■ Models



| Model No.      | LCM-25○   | LCM-40○       | LCM-60○ | LCM-40TW |
|----------------|-----------|---------------|---------|----------|
| Input (V)      | 180~277   | 180~295       | 180~295 | 180~277  |
| Output (mA)    | 350       | 350           | 500     | 500      |
|                | 500       | 500           | 600     | 600      |
|                | 600       | 600           | 700     | 700      |
|                | 700       | 700           | 900     | 800      |
|                | 900       | 900           | 1050    | 900      |
|                | 1050      | 1050          | 1400    | 1050     |
| Dimension (mm) | 105x68x23 | 123.5x81.5x23 |         |          |

○= Blank, DA, DA2, KN

Blank: with 3 in 1 dimming function(0~10Vdc, 10V PWM signal and resistance )

DA/DA2: DALI/DALI-2 control KN: KNX control

TW: DALI-2 control with tunable white function

# 50~150W & 35~80W

# SLD/LDC Series

## SLD Features

- Constant voltage + constant current mode output
- Universal AC input: 110~305VAC
- Built-in active PFC function
- Plastic housing with Class II design
- Class 2 power unit (Except for SLD-80-12)
- Slim and linear housing design
- Meet with BS EN61347/EN60335 regulations
- No load power consumption<0.5W
- Protections: Short Circuit / Over Current / Over Voltage / Over Temp.
- 3 years warranty
- 5 years warranty (only for SLD-150)



SLD Spec

## LDC Features

- Constant power mode
- Full power at 70~100% current
- Linear metal housing
- SELV and Isolated design
- Class 2 power unit
- Built-in active PFC function
- Flicker-free design
- No load power consumption<0.5W
- Multiple types for choice: 3 in 1, DALI
- Protections: Short Circuit / Over Voltage / Over Temp.
- 5 years warranty



LDC Spec

## Models



| Model No.      | SLD-50       | SLD-80       | SLD-150 <sup>NEW</sup> |
|----------------|--------------|--------------|------------------------|
| Output (V/mA)  | 12V          | 12V          | 12V                    |
|                | 24V          | 24V          | 24V                    |
|                | 56V/0.9~1.4A | 56V/1.4~2.1A | 56V(48V)/2.6~4.1A      |
| Dimension (mm) | 280x30x16.8  | 320x30x16.8  | 330x35x22              |



| Model No.      | LDC-35□   | LDC-55□   | LDC-80□   |
|----------------|-----------|-----------|-----------|
| Output (V)     | 27~56     | 27~56     | 27~56     |
| Output (mA)    | 300~1000  | 500~1600  | 700~2100  |
| Dimension (mm) | 280x30x21 | 320x30x21 | 360x30x21 |

□= Blank, B, DA, DA2 (LDC-55 only)

Blank: Non dimming

B: 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)

DA: DALI, push dimming

DA2: DALI-2, push dimming



# SHYLON®

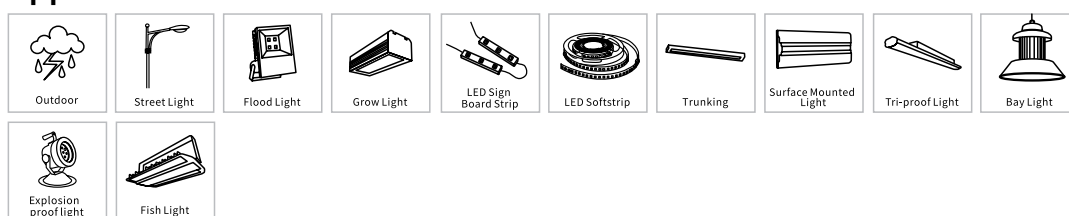
CERTIFIED PARTNER



## Metal Case

|    |                   |    |                 |    |                 |    |                |
|----|-------------------|----|-----------------|----|-----------------|----|----------------|
| 12 | XLG (20~320W)     | 15 | HLG (40~600W)   | 18 | HVGC (65~1000W) | 20 | HBG (60~240W)  |
| 13 | XLG-DA2 (50~320W) | 16 | HLG-C (60~480W) | 19 | ERP (200~350W)  | 20 | HBGC (300W)    |
| 14 | ELG (75~300W)     | 17 | HVG (65~480W)   | 19 | ERPF(400W)      | 20 | XBG (100~240W) |
| 14 | ELG-C (75~300W)   |    |                 |    |                 |    |                |

## Application



# 20~320W

# XLG Series

## Features

- Constant power mode output (XLG-25~320)
- Constant current mode (XLG-20 only)
- Full power at 70~100% current
- Universal AC input: 100~305VAC
- Metal case with IP67
- Built-in active PFC function
- Class 2 power unit (XLG-20~100)
- Surge protection with 6KV/4KV (10KV/6KV available)
- India (EESL) version with input over voltage protection; can survive input voltage stress of 440Vac for 48 hours
- Multiple models for choice, see P.33 for more details
- Protections: Short Circuit / Over Current / Over Voltage / Over Temp.
- 5 years warranty



XLG Spec

## Models



| Model No.<br>Output | 12○                   | 24○                    | L○                      | M○                   | H○                     | V○                 | Dimension (mm) |
|---------------------|-----------------------|------------------------|-------------------------|----------------------|------------------------|--------------------|----------------|
| XLG-20              |                       |                        | 32.4~54V,<br>0.35A      | 25.2~42V,<br>0.5A    | 18~30V,<br>0.7A        |                    | 95x63x30       |
| XLG-25□             |                       |                        |                         |                      | 22~54V,<br>0.25~1.05A  |                    | 105x63x30      |
| XLG-50□             |                       |                        |                         |                      | 22~54V,<br>0.53~2.1A   |                    | 105x63x30      |
| XLG-75□             | 8.4~12V,<br>5A        | 16.8~24V,<br>3.1A      | 53~107V,<br>0.35~1.05A  |                      | 27~56V,<br>0.65~2.1A   |                    | 140x63x32      |
| XLG-100□            | 8.4~12V,<br>4~8A      | 16.8~24V,<br>2~4A      | 71~142V,<br>0.35~1.05A  |                      | 27~56V,<br>0.875~2.78A |                    | 140x63x32      |
| XLG-150□            | 8.4~12V,<br>6.5~12.5A | 16.8~24V,<br>3.2~6.25A | 120~214V,<br>0.35~1.05A | 60~107V,<br>0.7~2.1A | 27~56V,<br>1.4~4.17A   |                    | 180x63x35.5    |
| XLG-200□            | 8.4~12V,<br>8~16A     | 16.8~24V,<br>4.15~8.3A | 142~285V,<br>0.35~1.05A |                      | 27~56V,<br>1.75~5.55A  |                    | 199x63x35.5    |
| XLG-240□            |                       |                        | 178~342V,<br>0.35~1.05A | 90~171V,<br>0.7~2.1A | 27~56V,<br>2.4~6.66A   |                    | 219x63x35.5    |
| XLG-320□            |                       |                        | 150~300V,<br>0.5~1.4A   | 74~148V,<br>2.1~2.8A | 30~56V,<br>5.57~7.42A  | 24V/13A<br>12V/18A | 246x77x39.5    |

□= Blank/I    Blank: For standard version    I: For India version    ○= Blank/A/B/AB 12V/24V without dimming

For more details, please refer to P.33

| Model No.                 | Output(V/A)     | Dimension (mm) |
|---------------------------|-----------------|----------------|
| XLG-240-48-ABV <b>NEW</b> | 43.2~52.8V/5A   | 219x63x35.5    |
| XLG-320-48-ABV <b>NEW</b> | 43.2~52.8V/6.5A | 246x77x39.5    |

# XLG-DA2 Series

50~320W

## ■ Features

- Wide input range 100~305VAC (Class I)
- Full power output at 70~100% constant power mode operation
- Metal case with IP67, suitable for outdoor application
- Surge protection with 6KV/4KV
- DALI-2 Dimming with minimum level 8%
- 12V / 250mA auxiliary power available (Optional, except XLG-50~100)
- India(EESL) version with input over voltage protection; can survive input voltage stress of 440Vac for 48 hours
- Protection functions: SCP/OTP
- Life time >50,000 hrs
- 5 years warranty



XLG-DA2

## ■ Models



| Model No.<br>Output | L○                   | M○                 | H○                  | Dimension<br>(mm) |
|---------------------|----------------------|--------------------|---------------------|-------------------|
| XLG-50□             | 60~142V, 0.3~0.7A    |                    | 25~56V, 0.5~1.4A    | 105x63x30         |
| XLG-75□             | 53~107V, 0.35~1.05A  |                    | 27~56V, 0.7~2.1A    | 140x63x32         |
| XLG-100□            | 71~142V, 0.35~1.05A  |                    | 27~56V, 0.875~2.78A | 140x63x32         |
| XLG-150□            | 120~214V, 0.35~1.05A | 60~107V, 0.7~2.1A  | 27~56V, 1.4~4.17A   | 180x63x35.5       |
| XLG-200□            | 142~285V, 0.35~1.05A |                    | 27~56V, 1.75~5.55A  | 199x63x35.5       |
| XLG-240□            | 178~342V, 0.35~1.05A | 90~171V, 0.7~2.1A  | 27~56V, 2.4~6.66A   | 219x63x35.5       |
| XLG-320□            | 150~300V, 0.5~1.4A   | 74~148V, 1.05~2.8A | 30~56V, 2.8~7.42A   | 246x77x39.5       |

□ = Blank/I    Blank: For standard version    I: For India version

○ = DA2, DA2-A

DA2: DALI-2 dimming function

DA2-A: DALI-2 dimming function with 12V/250mA auxiliary available (Optional) (150~320W)

75~300W

# ELG/ELG-C/ELGC Series

## ■ Features

- Constant voltage+constant current modes (ELG series)  
Constant current mode (ELG-C series)  
Constant power mode (ELGC-300 series)
- Universal AC input: 100~305VAC
- Metal case with IP67
- Meet 6KV surge immunity level (IEC61000-4-5)
- Type HL LED Driver for use in Class I,  
Division 2 hazardous location luminaires
- No load / Standby power consumption <0.5W
- Multiple models for choice, see P.33 for more details
- Protections: Short Circuit / Over Current /  
Over Voltage / Over Temp.
- 5 years warranty



ELG Spec



ELG-C Spec



ELGC Spec

## ■ Models



| Model No.      | ELG-75      | ELG-100     | ELG-150     | ELG-200     | ELG-240 | ELG-300     |
|----------------|-------------|-------------|-------------|-------------|---------|-------------|
| Output (V)     | 12○-□       | 24○-□       | 12○-□       | 12○-□       | 24○-□   | 12A         |
|                | 24○-□       | 36○-□       | 24○-□       | 24○-□       | 36○-□   | 24A         |
|                | 36○-□       | 42○-□       | 36○-□       | 36○-□       | 42○-□   |             |
|                | 42○-□       | 48○-□       | 42○-□       | 42○-□       | 48○-□   |             |
|                | 48○-□       | 54○-□       | 48○-□       | 48○-□       | 54○-□   |             |
|                |             |             | 54○-□       | 54○-□       |         |             |
| Dimension (mm) | 180x63x35.5 | 199x63x35.5 | 219x63x35.5 | 244x71x37.5 |         | 246x77x39.5 |

| Model No.      | ELG-75-C    | ELG-100-C   | ELG-150-C   | ELG-200-C   | ELG-240-C |
|----------------|-------------|-------------|-------------|-------------|-----------|
| Output (mA)    | 350○-□      | 350○-□      | 500○-□      | 700○-□      | 700○-□    |
|                | 500○-□      | 500○-□      | 700○-□      | 1050○-□     | 1050○-□   |
|                | 700○-□      | 700○-□      | 1050○-□     | 1400○-□     | 1400○-□   |
|                | 1050○-□     | 1050○-□     | 1400○-□     | 1750○-□     | 1750○-□   |
|                | 1400○-□     | 1400○-□     | 1750○-□     | 2100○-□     | 2100○-□   |
|                |             |             | 2100○-□     |             |           |
| Dimension (mm) | 180x63x35.5 | 199x63x35.5 | 219x63x35.5 | 244x71x37.5 |           |

| Model No.    | Output (V) | Output(mA) |            | Dimension (mm) |
|--------------|------------|------------|------------|----------------|
|              |            | 100~180VAC | 200~305VAC |                |
| ELGC-300-L-○ | 116~232    | 650~1700   | 650~2000   | 246x77x39.5    |
| ELGC-300-M-○ | 58~116     | 1300~3400  | 1300~4000  |                |
| ELGC-300-H-○ | 29~58      | 2600~6800  | 2600~8000  |                |

□=Blank, 3Y;      Blank: 2-wire input for standard mode; 3Y: 3-wire input for standard mode

○=Blank, A, B (ELGC-300 except), AB, D2, Dx, DA (ELG only), ADA (ELGC-300 only)

For more details, please refer to P.33

# HLG Series

40~600W

## Features

- Constant voltage+constant current modes
- Wide AC input: 90~305VAC
- Metal housing with Class I design
- High efficiency up to 94%
- Meet 4KV surge immunity level (IEC61000-4-5)
- Type HL LED driver for use in Class I, Division 2 hazardous location luminaires
- Class 2 power unit (HLG-40H~100H)
- Multiple models for choice, see P.33 for more details
- Protections: Short Circuit / Over Current / Over Voltage / Over Temp.
- 7 years warranty



HLG Spec

## Models



| Model No.      | HLG-40H       | HLG-60H | HLG-80H         | HLG-100H | HLG-120H    | HLG-150H |
|----------------|---------------|---------|-----------------|----------|-------------|----------|
| Output (V)     | 12□           | 15□     | 12□             | 20□      | 12□         | 12□      |
|                | 15□           | 20□     | 15□             | 24□      | 15□         | 15□      |
|                | 20□           | 24□     | 20□             | 30□      | 20□         | 20□      |
|                | 24□           | 30□     | 24□             | 36□      | 24□         | 24□      |
|                | 30□           | 36□     | 30□             | 42□      | 30□         | 30□      |
|                | 36□           | 42□     | 36□             | 48□      | 36□         | 36□      |
|                | 42□           | 48□     | 42□             | 54□      | 42□         | 42□      |
|                | 48□           | 54□     | 48□             |          | 48□         | 48□      |
|                | 54□           |         | 54□             |          | 54□         | 54□      |
| Dimension (mm) | 171x61.5x36.8 |         | 195.6x61.5x38.8 |          | 220x68x38.8 |          |

| Model No.      | HLG-185H    | HLG-240H                           | HLG-320H    | HLG-480H     | HLG-600H     |
|----------------|-------------|------------------------------------|-------------|--------------|--------------|
| Output (V)     | 12□         | 12□                                | 12□         | 24□          | 12□          |
|                | 15□         | 15□                                | 15□         | 30□          | 15□          |
|                | 20□         | 20□                                | 20□         | 36□          | 20□          |
|                | 24□         | 24□                                | 24□         | 42□          | 24□          |
|                | 30□         | 30□                                | 30□         | 48□          | 30□          |
|                | 36□         | 36□                                | 36□         | 54□          | 36□          |
|                | 42□         | 42□                                | 42□         |              | 42□          |
|                | 48□         | 48□                                | 48□         |              | 48□          |
|                | 54□         | 54□                                | 54□         |              | 54□          |
| Dimension (mm) | 228x68x38.8 | 244x68x38.8<br>C-Type: 251x68x38.8 | 252x90x43.8 | 262x125x43.8 | 280x144x48.5 |

□ = A, B, AB, C (240W/320W only), D (40~480W), D2 & D x (480W only), BL (80W only), Blank (40~320W)

For more details, please refer to P.33

60~480W

# HLG-C Series

## Features

- Constant current mode
- Wide AC input: 90~305VAC
- Metal housing with Class I design
- High efficiency up to 95%
- Type HL LED driver for use in Class I, Division 2 hazardous location luminaires
- Multiple models for choice, see P.33 for more details
- Protections: Short Circuit / Over Voltage / Over Temp.
- 7 years warranty



HLG-C Spec

## Models



| Model No.      | HLG-60H-C     | HLG-80H-C       | HLG-120H-C  | HLG-185H-C  |
|----------------|---------------|-----------------|-------------|-------------|
| Output (mA)    | 350□          | 350□            | 350□        | 500□        |
|                | 700□          | 700□            | 500□        | 700□        |
|                |               |                 | 700□        | 1050□       |
|                |               |                 | 1050□       | 1400□       |
|                |               |                 | 1400□       |             |
| Dimension (mm) | 171x61.5x36.8 | 195.6x61.5x38.8 | 220x68x38.8 | 228x68x38.8 |

| Model No.      | HLG-240H-C    | HLG-320H-C  | HLG-480H-C   |
|----------------|---------------|-------------|--------------|
| Output (mA)    | 700□          | 700□        | 1400□        |
|                | 1050□         | 1050□       | 1750□        |
|                | 1400□         | 1400□       | 2100□        |
|                | 1750□         | 1750□       | 2800□        |
|                | 2100□         | 2100□       | 3500□        |
|                |               | 2800□       |              |
|                |               | 3500□       |              |
| Dimension (mm) | 244.2x68x38.8 | 252x90x43.8 | 262x125x43.8 |

□ = A, B, AB, D (60~185W), D2 & D x (240~480W), DA (320W only)

For more details, please refer to P.33

# HVG Series

65~480W

## ■ Features

- Constant voltage+constant current modes
- Wide AC input: 180~528VAC
- Metal housing with Class I design
- Type HL LED driver for use in Class I,  
Division 2 hazardous location luminaires (except HVG-65)
- Multiple models for choice, see P.33 for more details
- Protections: Short Circuit / Over Current / Over Voltage / Over Temp.
- 5 years warranty



## ■ Models



| Model No.      | HVG-65        | HVG-100     | HVG-150     |
|----------------|---------------|-------------|-------------|
| Output (V)     | 12□           | 15□         | 12□         |
|                | 15□           | 20□         | 15□         |
|                | 20□           | 24□         | 20□         |
|                | 24□           | 30□         | 24□         |
|                | 30□           | 36□         | 30□         |
|                | 36□           | 42□         | 36□         |
|                | 42□           | 48□         | 42□         |
|                | 48□           | 54□         | 48□         |
| Dimension (mm) | 189x61.5x36.8 | 236x68x38.8 | 245x68x38.8 |

| Model No.      | HVG-240       | HVG-320     | HVG-480      |
|----------------|---------------|-------------|--------------|
| Output (V)     | 24□           | 24□         | 24□          |
|                | 30□           | 30□         | 30□          |
|                | 36□           | 36□         | 36□          |
|                | 42□           | 42□         | 42□          |
|                | 48□           | 48□         | 48□          |
|                | 54□           | 54□         | 54□          |
| Dimension (mm) | 254.2x68x38.8 | 262x90x43.8 | 262x125x43.8 |

□ = A, B, AB, D (65~150W), D2 & D x (240~480W)

For more details, please refer to P.33

# 65~1000W

# HVGC Series

## ■ Features

- Constant current mode (HVGC-65~320)
- Constant power mode (HVGC-480~1000)
- Wide AC input: 180~528VAC
- Metal housing with Class I design
- High efficiency up to 95.5%
- Type HL LED driver for use in Class I, Division 2 hazardous location luminaires (except HVGC-65/100/1000)
- Multiple models for choice, see P.33 for more details
- Auxiliary DC output available
- Protections: Short Circuit / Over Voltage / Over Temp.
- 5 years warranty



HVGC Spec

## ■ Models



| Model No.      | HVGC-65       | HVGC-100    | HVGC-150    | HVGC-240      | HVGC-320    |
|----------------|---------------|-------------|-------------|---------------|-------------|
| Output (mA)    | 350□          | 350□        | 350□        | 700□          | 700□        |
|                | 500□          | 700□        | 500□        | 1050□         | 1050□       |
|                | 700□          |             | 700□        | 1400□         | 1400□       |
|                | 1050□         |             | 1050□       | 1750□         | 1750□       |
|                |               |             | 1400□       | 2100□         | 2100□       |
|                |               |             |             | 2800□         | 2800□       |
|                |               |             |             | 3500□         | 3500□       |
| Dimension (mm) | 189x61.5x36.8 | 236x68x38.8 | 245x68x38.8 | 254.2x68x38.8 | 262x90x43.8 |

| Model No.      | HVGC-480     |                        | HVGC-650     |                       | HVGC-1000    |                       |
|----------------|--------------|------------------------|--------------|-----------------------|--------------|-----------------------|
| Output (V/mA)  | L-□          | 137~343,<br>1400~1750  | ○-L-□        | 93~232,<br>2800~3500  | ○-L-□        | 150~380,<br>1320~3280 |
|                | M-□          | 92~228.5,<br>2100~2625 | ○-M-□        | 62~155,<br>4200~5250  | ○-M-□        | 95~240,<br>2100~5250  |
|                | H-□          | 68~171.5,<br>2800~3500 | ○-H-□        | 47~116,<br>5600~7000  | ○-H-□        | 70~180,<br>2800~7000  |
|                |              |                        | ○-U-□        | 24~58,<br>11200~14000 |              |                       |
| Dimension (mm) | 262x125x43.8 |                        | 280x144x48.5 |                       | 310x144x48.5 |                       |

○ = Blank (650W only), A Blank: without auxiliary function (12V@200mA) ; A: with auxiliary DC output power

□ = Blank (480W only), A (65~320W), B (65~320W), AB, D (65~150W), D2 & D x (240~1000W), DA (650W,100W), ADA (480W only)

For more details, please refer to P.33

# ERP(F) Series

200~400W

## ■ Features

- Constant voltage mode
- Withstand 300VAC surge input for 5 secs.
- Metal case design
- Design against rain splash
- Built-in active PFC function (ERPF series)
- Cooling by free air convection
- LED indicator for power on
- 3 years warranty



ERP Spec



ERPF Spec

## ■ Models



| Model No.      | ERP-200    | ERP-350      | ERPF-400     |
|----------------|------------|--------------|--------------|
| Input (V)      | 180~264    | 180~264      | 90~264       |
| Output(V/A)    | 12V/16.8A  | 12V/26.7A    | 12V/30A      |
|                | 24V/8.3A   | 24V/14.6A    | 24V/16.7A    |
|                |            | 36V/9.7A     | 48V/8.3A     |
|                |            | 48V/7.3A     |              |
| Dimension (mm) | 200x120x40 | 220.4x130x48 | 220.4x130x48 |

60~300W

# HBG(C)/XBG Series

## HBG Features

- Constant current mode (HBG-60/100)  
Constant voltage+constant current modes (HBG-160/200/240)  
Constant power mode, full power at 60~100% current (HBGC-300)
- Wide AC input: 90~305VAC
- Circular metal housing with Class I design (except for HBG-60)
- Fully isolated plastic case (only for HBG-60)
- Built-in active PFC function
- Multiple models for choice, see P.33 for more details
- Protections: Short Circuit / Over Current (HBG-100~240)/ Over Voltage (except for HBG-60)/ Over Temp.
- 5 years warranty



HBG Spec

## XBG Features

- Constant power mode
- Full power at 70~100% current
- Wide AC input: 100~305VAC
- Built-in active PFC function
- Circular metal housing design with IP67
- AC input cable with connector type for flexible installation
- Isolation design between output and dimming circuit
- Multiple models for choice, see P.33 for more details
- Protections: Short Circuit / Over Voltage / Over Temp.
- 5 years warranty



XBG Spec

## Models



| Model No.          | HBG-60     | HBG-100    | HBG-160       | HBG-200       | HBG-240    | HBGC-300                |                       |                      |
|--------------------|------------|------------|---------------|---------------|------------|-------------------------|-----------------------|----------------------|
|                    |            |            |               |               |            | L-□                     | M-□                   | H-□                  |
| Output             | 1050mA     | 24□        | 24□           | 36□           | 24□        | 116~232V,<br>0.65~2.17A | 58~116V,<br>1.3~4.33A | 29~58V,<br>2.6~8.07A |
|                    | 1400mA     | 36□        | 36□           | 48□           | 36□        |                         |                       |                      |
|                    | 2100mA     | 48□        | 48□           | 60□           | 48□        |                         |                       |                      |
|                    |            | 60□        | 60□           |               | 60□        |                         |                       |                      |
| Dimension (DxH mm) | φ110x 60.5 | φ130x 66.5 | φ151.68x 66.5 | φ151.68x 66.5 | φ191.5x 69 | φ191.5x 69              |                       |                      |

□ = Blank, A, B, AB, DA (100~240W), ADA (300W only)

For more details, please refer to P.33



| Model No.          | XBG-100-□-○         | XBG-160-□-○        | XBG-240-□-○       |
|--------------------|---------------------|--------------------|-------------------|
| Output             | 27~56V, 0.875~2.78A | 34~56V, 1.425~4.1A | 30~60V, 2.85~5.7A |
| Dimension (DxH mm) | φ130x 56            | φ151.5x 60         | φ191x 63          |

□ = A, AB

For more details, please refer to P.33

○ = Blank, C

Blank: AC input with fixed cable

C: AC input with connector



## PCB Type

22 | PLP (30~60W)

23 | HBG-P (60~240W)

### Application



30~80W

# PLP Series

## ■ PLP Features

- Constant current mode
- Universal AC input : 90~264VAC
- Class 2 power unit / Pass LPS
- Built-in active PFC function
- Protections: Short Circuit / Over Current / Over Voltage
- 2 years warranty



## ■ Models



| Model No.      | PLP-30          | PLP-60          |
|----------------|-----------------|-----------------|
| Output (V/mA)  | 12, 0~2.5       | 12, 0~5         |
|                | 24, 0~1.3       | 24, 0~2.5       |
|                | 48, 0~0.63      | 48, 0~1.3       |
| Dimension (mm) | 101.6x50.6x26.6 | 101.6x50.8x29.6 |

# HBG-P Series

60~240W

## ■ Features

- Constant current mode (HBG-60P/100P)
- Constant voltage+constant current modes (HBG-160P/240P)
- Wide AC input : 90~305VAC (up to 295VAC for HBG-60P)
- Circular shaped PCB design
- Built-in active PFC function
- High efficiency up to 93.5%
- Multiple models for choice, see P.33 for more details
- Protections: Short Circuit / Over Temp.
- 5 years warranty



HBG-P Spec

## ■ Models



| Model No.          | HBG-60-P | HBG-100-P | HBG-160-P  | HBG-240-P |
|--------------------|----------|-----------|------------|-----------|
| Output (mA/V)      | 1050mA   | 36□       | 36□        | 36□       |
|                    | 1400mA   | 48□       | 48□        | 48□       |
|                    | 2100mA   | 60□       | 60□        | 60□       |
| Dimension (DxH mm) | φ99x 26  | φ104x 34  | φ124.6x 34 | φ144x 31  |

□=A, B, or DA (100~160W only)



## DC-DC LED Driver & Controller & Accessory

25 DC HOUSE

26 LDH

26 NHDD

27 NLDD

27 LDB

28 LDD

28 LDDS

29 SPD

29 ICL-16R/L

30 PIR-45

30 DAP-04

30 SDP-001

31 DLP-04

31 DLC-02

31 KAA

32 KNX

32 KSI

32 KSR

32 KSC

### Application

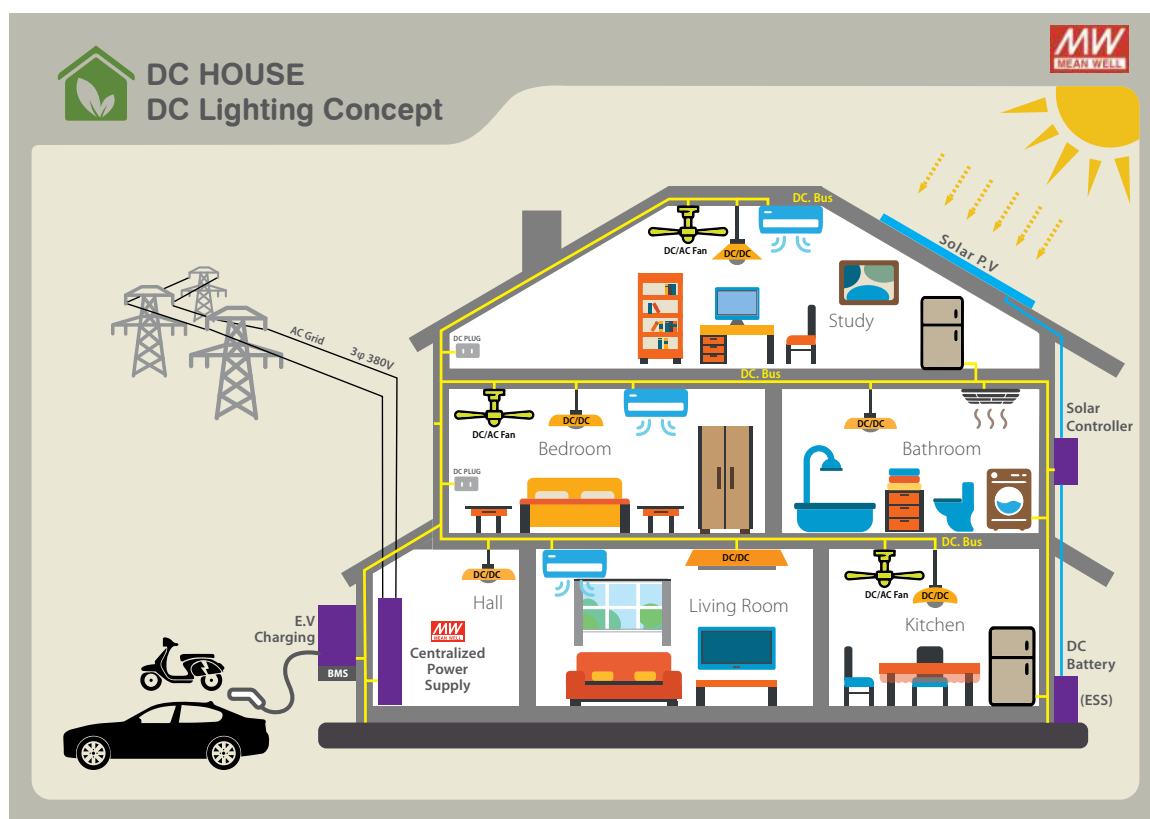


# DC House

As increases in energy costs and demands to reduce fossil-based emissions are accelerating a worldwide call for clean energy and efficient power consumption, the DC House is far beyond a concept but necessary infrastructure. MEAN WELL is proud to introduce a new DC centralized bus for indoor device applications to reduce power loss issue.

With four decades of experience in power supply design and manufacturing, MEAN WELL provides power solutions for DC centralized bus and DC lighting applications with complete enclosed type and DC to DC LED driver product portfolios. The DC centralized bus is easily integrated into a renewable energy system to reduce power consumption and total cost.

Please refer to the below diagram for a brand new "DC WORLD".



## DC Centralized Bus for Lighting Application Selection Guide

| Voltage type               | Front-end<br>(AC to DC Enclosed type)                    | Back-end<br>(DC to DC LED driver)                   | Dimming function                           |
|----------------------------|----------------------------------------------------------|-----------------------------------------------------|--------------------------------------------|
| Low Voltage bus<br>(48V)   | UHP-1500(103W)<br>RST-5000/10000 (304W)<br>SHP-10K(303W) | NLDD-H series<br>LDDS-HWB series<br>LDD-H-DA series | · PWM<br>· 0-10V<br>· DALI                 |
| High Voltage bus<br>(380V) | UHP-1500(103W)<br>RST-7K5/15K (304W)<br>SHP-10K(303W)    | NHDD series                                         | · PWM<br>· Dim with DAP-04 for DALI system |

Note: For detail enclosed type specification, please refer our industrial power supply catalog.

# LDH/NHDD Series

## LDH Features

- DC/DC step-up converter
- Wide DC input voltage operation 9.5~32V
- High efficiency up to 96%
- Comply with BS EN55015/FCC part 15 for radiation emission without additional input filter and capacitors
- 2 in 1 dimming (0~10V, PWM)
- Class III safety voltage application
- Protections: Short Circuit / Over Voltage / Under Voltage
- 3 years warranty



LDH Spec

## NHDD Features

- Constant current mode output
- For DC 380V BUS lighting luminaire
- Driver on Board (DoB) solution available
- Plastic housing and fully encapsulated
- Built-in PWM and remote ON/OFF control
- Protections: Short Circuit / Over Temp.
- 5 years warranty



NHDD Spec

## Models



| Model No.      | LDH-25         | LDH-45A         | LDH-45B         | LDH-45A-DA      | LDH-45B-DA      | LDH-65          | NHDD-40             |
|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|
| Input (V)      | 9.5~32         | 9~18            | 18~32           | 9~18            | 18~32           | 9.5~32          | 360~420             |
| Output (mA/V)  | 250□,<br>12~84 | 350□,<br>12~86  | 350□,<br>21~126 | 350□,<br>24~86  | 350□,<br>36~126 | 700□,<br>12~80  | 100□,<br>350V(typ.) |
|                | 350□,<br>12~72 | 500□,<br>12~86  | 500□,<br>21~86  | 500□,<br>24~86  | 500□,<br>36~86  | 1050□,<br>12~60 |                     |
|                | 500□,<br>12~50 | 700□,<br>12~64  | 700□,<br>21~64  | 700□,<br>24~64  | 700□,<br>36~64  | 1400□,<br>12~46 |                     |
|                | 700□,<br>12~36 | 1050□,<br>12~43 | 1050□,<br>21~43 | 1050□,<br>24~43 | 1050□,<br>36~43 | 1750□,<br>12~37 |                     |
| Dimension (mm) | 52.4x27.2x24   | 75x53x22.7      |                 |                 |                 | 75x53x22.7      | 32.1x20.5x12.5      |

□=Blank, W Blank: Pin style W: Wire style  
DA: DALI dimming

# NLDD/LDB Series

## NLDD Features

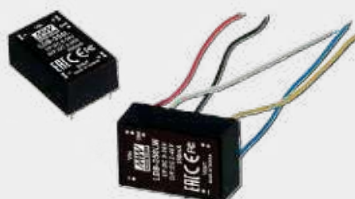
- DC/DC step-down converter
- Constant current output: 350~1400mA
- Wide input voltage: 10~56VDC
- High efficiency up to 96%
- Comply with BS EN/EN61347 and S EN/EN55015 regulation
- Built-in PWM and remote ON/OFF control
- Class III safety voltage application
- Protections: Short Circuit / Over Temp.
- 3 years warranty



NLDD Spec

## LDB Features

- DC/DC buck-boost converter
- Constant current output: 300~600mA
- Wide input voltage: 9~36VDC
- High efficiency up to 91%
- Comply with BS EN/EN55015 and FCC part15
- Built-in PWM and remote ON/OFF control
- Protections: Short Circuit / Over Temp.
- 3 years warranty



LDB Spec

## Models



| Model No.      | Input(V)       | Output (V) | Output (mA) | Model No.      | Input (V)      | Output(V) | Output (mA) |
|----------------|----------------|------------|-------------|----------------|----------------|-----------|-------------|
| NLDD-350H○     | 10~56          | 6~52       | 350         | LDB-300L○      | 9~36           | 2~40      | 300         |
| NLDD-500H○     | 10~56          | 6~52       | 500         | LDB-350L○      | 9~36           | 2~40      | 350         |
| NLDD-700H○     | 10~56          | 6~52       | 700         | LDB-500L○      | 9~30           | 2~32      | 500         |
| NLDD-1050H○    | 10~56          | 6~52       | 1050        | LDB-600L○      | 9~28           | 2~30      | 600         |
| NLDD-1200H○    | 10~56          | 6~46       | 1200        |                |                |           |             |
| NLDD-1400H○    | 10~56          | 6~46       | 1400        |                |                |           |             |
| Dimension (mm) | 32.1x20.5x12.5 |            |             | Dimension (mm) | 31.8x20.3x12.2 |           |             |

○=Blank, W Blank: Pin style W: Wire style

# LDD/LDDS Series

## LDD Features

- DC/DC step-down converter
- Constant current output: 350~1400mA
- Wide input voltage: 6~50VDC
- High efficiency up to 97%
- Comply with BS EN/EN55015
- Built-in PWM and remote ON/OFF control
- DALI control (DA-Type only)
- Protections: Short Circuit / Over Temp.
- 3 years warranty



LDD Spec

## LDDS Features

- DC/DC step-down converter
- Constant current output: 250~1000mA
- Wide input voltage: 12~56VDC
- High efficiency up to 96%
- Built-in EMI filter, comply with BS EN/EN55015
- Fully enclosed plastic case
- 3 in 1 dimming and remote ON/OFF control
- Protections: Short Circuit / Over Current / Over Temp.
- 5 years warranty



LDDS Spec

## Models



| Model No.      | Input (V)      | Output (V) | Output (mA) |
|----------------|----------------|------------|-------------|
| LDD-350H-□DA   | 6~50           | 3~45       | 350         |
| LDD-700H-□DA   | 6~50           | 3~45       | 700         |
| LDD-1050H-□DA  | 6~50           | 3~45       | 1050        |
| LDD-1400H-□DA  | 6~40           | 3~36       | 1400        |
| Dimension (mm) | 40.6x23.5x10.1 |            |             |

□=Blank, W, S (except for LDD-DA type)

Blank: Pin style W: Wire style S: SMD style

| Model No.      | Input (V) | Output (V) | Output (mA) |
|----------------|-----------|------------|-------------|
| LDDS-250HW□    | 12~56     | 2~45       | 250         |
| LDDS-300HW□    | 12~56     | 2~45       | 300         |
| LDDS-350HW□    | 12~56     | 2~45       | 350         |
| LDDS-500HW□    | 12~56     | 2~45       | 500         |
| LDDS-700HW□    | 12~56     | 2~45       | 700         |
| LDDS-1000HW□   | 12~56     | 2~45       | 1000        |
| Dimension (mm) | 47x12x7   |            |             |

□=Blank, B

Blank: Without Dimming B: With 3 in 1 Dimming

# SPD/ICL Series

## SPD 10kA Surge Protection Device

### ■ Features

- UL1449, Type 4, BS EN/IEC61643-11 (SPD-10S)
- Line to Ground & Line to Line protected
- Series connection type
- IP67 (SPD-10-320S); IP66 (SPD-10S)
- LED status indicators
- Thermally protected



## SPD 20kA Surge Protection Device

### ■ Features

- UL1449, Type 2 (SPD-20), Type 4 (SPD-20HP) component assemblies
- Line to Ground & Line to Line protected
- Parallel (3 wires) connection style (SPD-20HP)
- Series connection type (SPD-20)
- IP67 (SPD-20); IP66 (SPD-20HP)
- Thermally protected (SPD-20HP)



SPD Spec

### ■ Models



| Model No.         | SPD-10-320S | SPD-10S-277S   | SPD-20-240P | SPD-20-277P | SPD-20HP-277S | SPD-20HP-480S |
|-------------------|-------------|----------------|-------------|-------------|---------------|---------------|
| Operating Voltage | 120~320VAC  | 120~277VAC     | 240VAC      | 277VAC      | 120~277VAC    | 347~480VAC    |
| Dimension (mm)    | 85x37x40    | 56.76x46.36x26 | 90x70x50    |             | 71.6x67.7x32  |               |

## ICL 16A/28A AC Inrush Current Limiter

### ■ Features:

- 23A inrush limiting current, 16A continuous (ICL-16R/L)
- 48A inrush limiting current, 28A continuous (ICL-28R/L)
- 180~264VAC AC input
- Integrated bypass relay, no simple NTC
- Internal thermal protection
- Installed on DIN Rail TS-35/7.5 or 15 (ICL-16R/28R)
- -30~+70°C wide working temperature
- 3 years warranty



ICL-16R/28R

ICL-16L/28L



ICL Spec

| Model No.                   | ICL-16R    | ICL-16L   | ICL-28R    | ICL-28L   |
|-----------------------------|------------|-----------|------------|-----------|
| Inrush Current Limiting     | 23A        | 23A       | 48A        | 48A       |
| AC Continuous Rated Current | 16A        | 16A       | 28A        | 28A       |
| Dimension (mm)              | 35x90x54.5 | 175x42x24 | 52.5x90x54 | 175x42x24 |

# PIR/DAP/SDP Series

## PIR-045 Photoelectric Motion Sensor



### ■ Features

- Operating voltage: 12~24VDC
- Output dim voltage: High=10V
- Low=1V/2V/3V/5V selected by standby bright
- Sensing angle: <120°~150°
- Sensing distance: ≤6 meters
- Dimming mode: gradually ON and OFF
- Operating temperature: -10~+40°C
- 2 years warranty



D60x H71.3mm



PIR-045

## DAP-04 DALI to PWM Converter



### ■ Features

- Convert DALI signal to PWM signal
- Universal AC input: 90~305VAC
- 4 DALI addressable output channels
- Built-in push dim function
- Linear or logarithm dimming curve selectable (comply with IEC62386-207)
- Dimming range: 1~100%
- Built-in relay for ON/OFF control of LED PSU
- Two models for choice:
- Blank-Type: 4 channels with 4 DALI addresses
- S01-Type: 4 channels with 4 or 1 DALI address selectable
- 3 years warranty



L165x W46x H23mm



DAP-04

## SDP-001 Smart Timer Dimming Programmer



### ■ Features

- For MEAN WELL' s LED driver with smart timer dimming function
- Simple connection and configuration
- Push terminal and mini-USB port
- No need of battery or AC power
- LED status indicator



L165x W46x H23mm



SDP-001

# DLP/DLC/KAA Series

## DLP-04L/R DALI Bus Power Supply



### ■ Features

- Universal AC input: 90~264VAC
- Withstand 300VAC surge input for 5 seconds
- Isolation class II
- No load power consumption <0.5W (type L)
- Compact size with 2SU(35mm) width (type R)
- 3 years warranty



**DLP-04R**  
W35x H90x D54.5mm



**DLP-04L**  
L145x W38x H22mm



DLP Spec

## DLC-02 DALI-2 Controller / KNX-DALI Gateway



### ■ Features

- DALI-2 multi-master application controller
- Universal AC input: 100~277VAC
- Two independent DALI Bus channels with built in bus power supply (up to 250mA per bus)
- Connect up to 2x64 DALI ECGs/Driver and up to 2x12 DALI input devices
- LCD display, LED indicators and buttons for local operation
- Built in with 250V/10Ax4 relay
- Easy installation and configuration via PC software or web browser
- KNX to DALI gateway (KNX version)
- 5 years warranty



**DLC-02/DLC-02-KN**  
L145x W38x H22mm



DLC-02

## KAA-4R4V/8R KNX LED Actuator / Dimmer



### ■ Features

- Dimming and switching LED driver and conventional electronic ballast (KAA-4R4V)
- Linear or logarithmic dimming curve programmable via ETS software (KAA-4R4V)
- 8 channel actuator in a compact size (KAA-8R)
- For AX, C-load, capacitive & inductive of loads (KAA-8R)
- Manual control via panel Push button
- Programmable various time and scene function
- 3 years warranty



**KAA-8R-16S**  
**KAA-8R-10S**  
**KAA-4R4V-10S**  
W70x H90x D57mm



KAA Spec

# KNX System Component

## KNX-20E/40E 640/1280mA KNX Power Supply

### ■ Features

- EIB / KNX power supply with Integrated choke
- AC input: 180~264VAC
- No load power consumption <0.5W
- Safety extra low voltage (SELV)
- Isolation class I
- Over voltage category III
- LED indicator for normal operation, bus reset and bus overload
- Compact size with 3SU/4SU width
- Protections: Short Circuit / Overload (Short-Circuit-Proof) / Over Voltage
- 3 years warranty

SELV EAC



UKCA CE



**KNX-20E-640**  
W52.5x H90x D54.5mm



**KNX-40E-1280**  
W72x H90x D57mm

| Model No.    | Vout 1<br>(with choke) | Vout 2<br>(without choke) | Iout<br>(I1 + I2) |
|--------------|------------------------|---------------------------|-------------------|
| KNX-20E-640  | Bus, 30V               | 30V                       | 640mA             |
| KNX-40E-1280 | Bus, 30V               | 30V                       | 1280mA            |



KNX Spec

□=Blank, D ; Blank= Basic function, D= Diagnostic function

## KSI-01U KNX-USB Interface



### ■ Features

- No additional power supply required
- KNX commissioning addressing and parameters settings
- Long messages support up to 220 byte APDU
- 3 years warranty



W36x H90x D71mm



KSI-01U

## KSR-01IP KNX IP Router



### ■ Features

- No additional power supply required
- 4 KNX IP/TP tunnelings
- Built-in web front-end page
- 3 years warranty



W36x H90x D71mm



KSR-01IP

## KSC-01L KNX LINE Coupler



### ■ Features

- Telegram filtering function
- Long messages support up to 240 byte APDU
- Trace the subline traffic
- 3 years warranty



W36x H90x D71mm



KSC-01L

# Comparison Chart of Metal Case Models

| Series Name                                                        | Type                    | IP | Dimming                                                    | Vo / Io Adj | Remark                       |
|--------------------------------------------------------------------|-------------------------|----|------------------------------------------------------------|-------------|------------------------------|
| XLG-20/25/50/75/100/<br>150/200/240/320                            | Blank (25W, 50W except) | 67 |                                                            |             | 20W Standard, 70~300W Option |
|                                                                    | A                       |    |                                                            | Io          | Standard                     |
|                                                                    | B (20W only)            |    | 3 in 1 (Note 1)                                            |             |                              |
|                                                                    | AB (20W except)         |    |                                                            | Io          |                              |
| XLG-50/75/100/150/<br>200/240/320-DA2                              | Blank                   | 67 |                                                            | Io          | Standard                     |
|                                                                    | DA2                     |    | DALI-2 dimming function                                    |             |                              |
|                                                                    | DA2-A                   |    | DALI-2 dimming function with 12V/250mA Auxiliary available |             |                              |
| HLG-40H/60H/80H /100H/<br>120H/150H /185H/240H/<br>320H/ 480H/600H | Blank (40~320W)         | 67 |                                                            |             | Standard                     |
|                                                                    | A                       | 65 |                                                            | ✓           |                              |
|                                                                    | B                       | 67 | 3 in 1 (Note 2)                                            |             |                              |
|                                                                    | AB                      | 65 | 3 in 1 (Note 2)                                            | ✓           |                              |
|                                                                    | C (240W/320W only)      | 67 | Terminal block I/O                                         | ✓           | Option                       |
|                                                                    | D (40~480W)             |    | Timer dimming                                              |             | D2:Standard, Dx:Option       |
|                                                                    | D2/Dx (480W only)       |    | Smart Timer dimming/By request                             |             |                              |
|                                                                    | BL (80W only)           | 66 | B-Type with junction box, UL8750 LISTED, 3 in 1 (Note 2)   |             | Option                       |
| HLG-60H-C/80H-C/120H-C/<br>185H-C/240H-C/320H-C/<br>480H-C         | A                       | 65 |                                                            | Io          | Standard                     |
|                                                                    | B                       | 67 | 3 in 1 (Note 2)                                            |             |                              |
|                                                                    | AB                      | 65 | 3 in 1 (Note 2)                                            | Io          |                              |
|                                                                    | D (60~185W)             | 67 | Timer dimming                                              |             | Option                       |
|                                                                    | D2/Dx (240~480W)        |    | Smart Timer dimming/By request                             |             | D2:Standard, Dx:Option       |
|                                                                    | DA (320W only)          |    | DALI                                                       |             | Standard                     |
| ELG-75/100/150/200 /240<br>ELG-75-C/100-C/150-C/<br>200-C/240-C    | Blank                   | 67 |                                                            |             | Standard                     |
|                                                                    | A                       | 65 |                                                            | ✓/Io(ELG-C) |                              |
|                                                                    | B                       | 67 | 3 in 1 (Note 1)                                            |             |                              |
|                                                                    | AB                      | 65 | 3 in 1 (Note 1)                                            | ✓/Io(ELG-C) |                              |
|                                                                    | D2/Dx                   | 67 | Smart Timer dimming/By request                             |             | D2:Standard, Dx:Option       |
|                                                                    | DA                      |    | DALI                                                       |             | Standard                     |
| ELG-300                                                            | A                       | 67 |                                                            | Io          | Standard                     |
| ELGC-300                                                           | Blank                   | 67 |                                                            |             | Standard(ELGC-300 Option)    |
|                                                                    | A                       |    |                                                            | Io          | Standard                     |
|                                                                    | AB                      |    | 3 in 1 (Note 1)                                            | Io          |                              |
|                                                                    | D2/Dx                   |    | Smart Timer dimming/By request                             |             | D2:Standard, Dx:Option       |
|                                                                    | ADA                     |    | DALI-2                                                     | Io          |                              |
| XBG-100/160/240                                                    | A                       | 67 |                                                            | Io          | Standard                     |
| HBG-60/60P                                                         | AB                      |    | 3 in 1 (Note 1)                                            |             |                              |
| HBG-100/160/200/240                                                | Blank                   | 67 |                                                            |             | Standard                     |
|                                                                    | A                       | 65 |                                                            | Io          |                              |
|                                                                    | B                       | 67 | 3 in 1 (Note 2)                                            |             |                              |
|                                                                    | AB                      | 65 | 3 in 1 (Note 2)                                            | Io          |                              |
|                                                                    | DA                      | 67 | DALI                                                       |             |                              |
| HBG-100P/160P/240P                                                 | A                       |    |                                                            | Io          | Standard                     |
|                                                                    | B                       |    | 3 in 1 (Note 2)                                            |             |                              |
|                                                                    | DA(240P except)         |    | DALI                                                       |             |                              |
| HBGC-300                                                           | A                       | 67 |                                                            | Io          | Standard                     |
|                                                                    | AB                      |    | 3 in 1 (Note 2)                                            |             |                              |
|                                                                    | ADA                     |    | DALI-2                                                     |             |                              |
| HVG-65/100/150/240/<br>320/480                                     | A                       | 65 |                                                            | ✓           | Standard                     |
|                                                                    | B                       | 67 | 3 in 1 (Note 1)                                            |             |                              |
|                                                                    | AB                      | 65 |                                                            | ✓           |                              |
|                                                                    | D (65~150W)             | 67 | Timer dimming                                              |             | Option                       |
|                                                                    | D2/Dx (240~480W)        | 67 | Smart Timer dimming/By request                             |             |                              |
| HVG-65/100/150/240/<br>320/480/650/1000                            | Blank (480W only)       | 67 |                                                            |             | Option                       |
|                                                                    | A (65~320W)             | 65 |                                                            | Io          | Standard                     |
|                                                                    | B (65~320W)             | 67 | 3 in 1 (Note 1)                                            |             |                              |
|                                                                    | AB                      | 65 |                                                            | Io          |                              |
|                                                                    | D (65~150W)             | 67 | Timer dimming                                              |             | Option                       |
|                                                                    | D2/Dx(240~1000W)        | 67 | Smart Timer dimming/By request                             |             |                              |
|                                                                    | DA (650W, 1000W)        | 67 | 650: DALI 1000: DALI-2                                     |             |                              |
|                                                                    | ADA (480W only)         | 65 | DALI-2                                                     | Io          | Standard                     |

Note 1: 3 in 1 = 0~10Vdc, 10V PWM signal, or resistance  
 Note 2: 3 in 1 = 1~10Vdc, 10V PWM signal, or resistance

# Powered by MEAN WELL

MEAN WELL has been cultivating the industrial standard power supply and LED power supply market for many years, and now it is the 3rd largest power supply and the 2nd largest LED driver brand in the world. Many of our equipment and lighting manufacturers see MEAN WELL as their quality assurance, and thus inspired us to implement the joint marketing idea of “PBM” (Powered by MEAN WELL).

As a starting point, we would be inviting high-quality customers who agree with MEAN WELL’s brand spirit, and provide them the “Powered by MEAN WELL” trademark, and enhance the brand awareness of both parties through various joint marketing methods.

## Services after joining PBM



## Key Account Membership

### Purpose

As a pioneer in the field of standard power supplies, MEAN WELL keeps the constant goal of improving customer satisfaction. The KAM membership program provides customers with all kinds of support in terms of products, services, and cooperation. Based on the concept of “Trusting Partners for Sustainable Development” and combining SDG sustainable development goals, MEAN WELL invites significant partners to participate and let us create a win-win cooperation for better value.

### Benefits



#### First Order Discount

Various discounts for first order based on membership levels



#### SDG Points Reward

Issue points every year according to the transaction quota of the previous year, 0.5%(MAX)



#### Instant Service

Enjoy direct and instant services such as online inventory inquiry, online order, transaction records, and global after-sales service.



#### Early Bird Offer

Enjoy the prioritized invitation for events like: I love Tamsui River, charity concerts, partner days and other activities

# Sustainable Development Group



The prospect of Sustainable Development Group (SDG) was initiated by Jerry Lin, MEAN WELL's founder. He selected nine goals from United Nations Sustainable Development Goals (SDGs) and integrated the SDG spirits into the corporate sustainable development.

Sustainable Development Group is composed of four parts:

**MEAN WELL Group**, the solid foundation with 4 decades of history;

**PowerNex**, the equity investment company based in Taiwan;

**Share Well**, the group creates synergies through cooperation with power-related industries in China

**MEAN WELL Foundation**, the non-profit organization conserves the core value of "good intentions"

SDG Group aims to build industry alliances with global partners, and exerts the power of stability in the power supply industry, to make a better environment for the next generation



**SUSTAINABLE DEVELOPMENT GROUP**

**Reliable Partners · Sustainable Development**

## MEAN WELL E-news

Find the "SUBSCRIBE" at the footer of MEAN WELL website. Fill in the E-News Subscribe Form, and last click the "SUBSCRIBE". Then, our confirmation e-mail will be sent to you.



## MEAN WELL APP

Install MEAN WELL NEWS APP, and you won't miss our latest news.



## SDG SHARE+

Based on the concept of SDG industry value network, it provides users with various system services, and connects suppliers, third parties and ESG partners in series to form a SDG sharing platform.



## Social Media

01



### 01 YouTube

- Scan the QR code
- Press "SUBSCRIBE" button
- Turn on the bell. So you won't miss any videos



02



### 02 LinkedIn

- Scan the QR code
- Navigate into MEAN WELL page and "Following" us.



03



### 03 Facebook

- Scan the QR code
- Find the icon [...] and choose "FOLLOW"
- Don't forget to "Like" us.



04



### 04 WeChat

- Search official account "MEAN WELL" in WeChat APP
- Click the "FOLLOW" button



05



### 05 YouKu

- Scan the QR code
- Press the "SUBSCRIBE" button on the top





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