MEAN WELL

PEWATRON
SENSORS · POWER SUPPLIES

Your Reliable Power Partner

KNX

Building Automation Solutions

Product Range Overview

2019 March

Company Profile

Established in 1982, MEAN WELL is a leading standard switching power supply manufacturers in the world. MEAN WELL currently operates under five companies in Taiwan, China, USA and Europe and three factories in Taiwan, GuangZhou and SuZhou. The product lines include AC/DC switching power supplies, DC/DC converters, waterproof LED drivers, adaptors, DC/AC inverters and battery chargers. We have over 10,000 standard models widely used in medical, automation, communication, LED lighting, moving sign, and office automation applications.

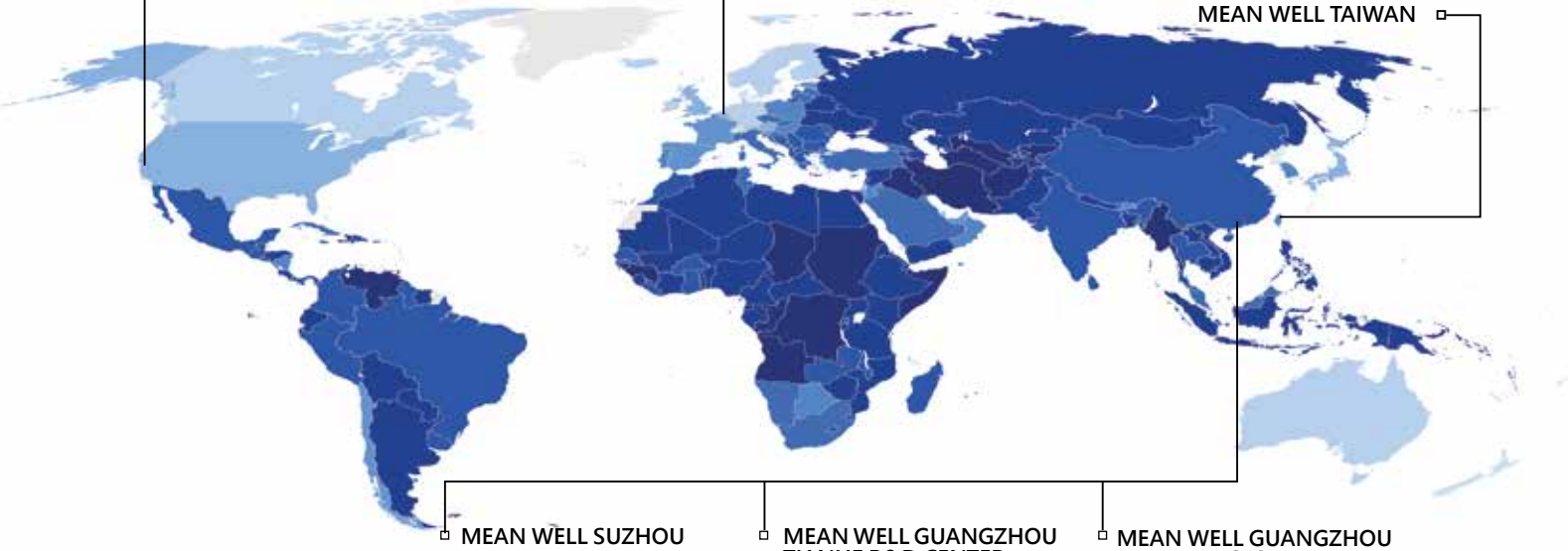
With more than 30 years of experience in R&D and production of standard power supplies, MEAN WELL has ten product categories covering 10,000 models, to provide "One Stop Shopping" power solutions. Every product in MEAN WELL is the result of rigid procedures governing design, design verification test (DVT), design quality test (DQT), component selection, pilot-run production, and mass production.

With more than 200 distributors globally, the MEAN WELL products are distributed to over 80 countries worldwide. The small size orders can expect delivery within 24 hours without MOQ requirement. If you are looking for switching power supply with high reliability, good quality, reasonable price and full series products, MEAN WELL, a total solution provider which can satisfy your various demands, is definitely your first choice!

MEAN WELL USA

MEAN WELL EUROPE

MEAN WELL TAIWAN



MEAN WELL SUZHOU

MEAN WELL GUANGZHOU TIANHE R&D CENTER

MEAN WELL GUANGZHOU HUADU FACTORY

KNX Introduction

What is KNX?

KNX is the only home and building control standard running global certification schemes.

KNX logo by KNX Association

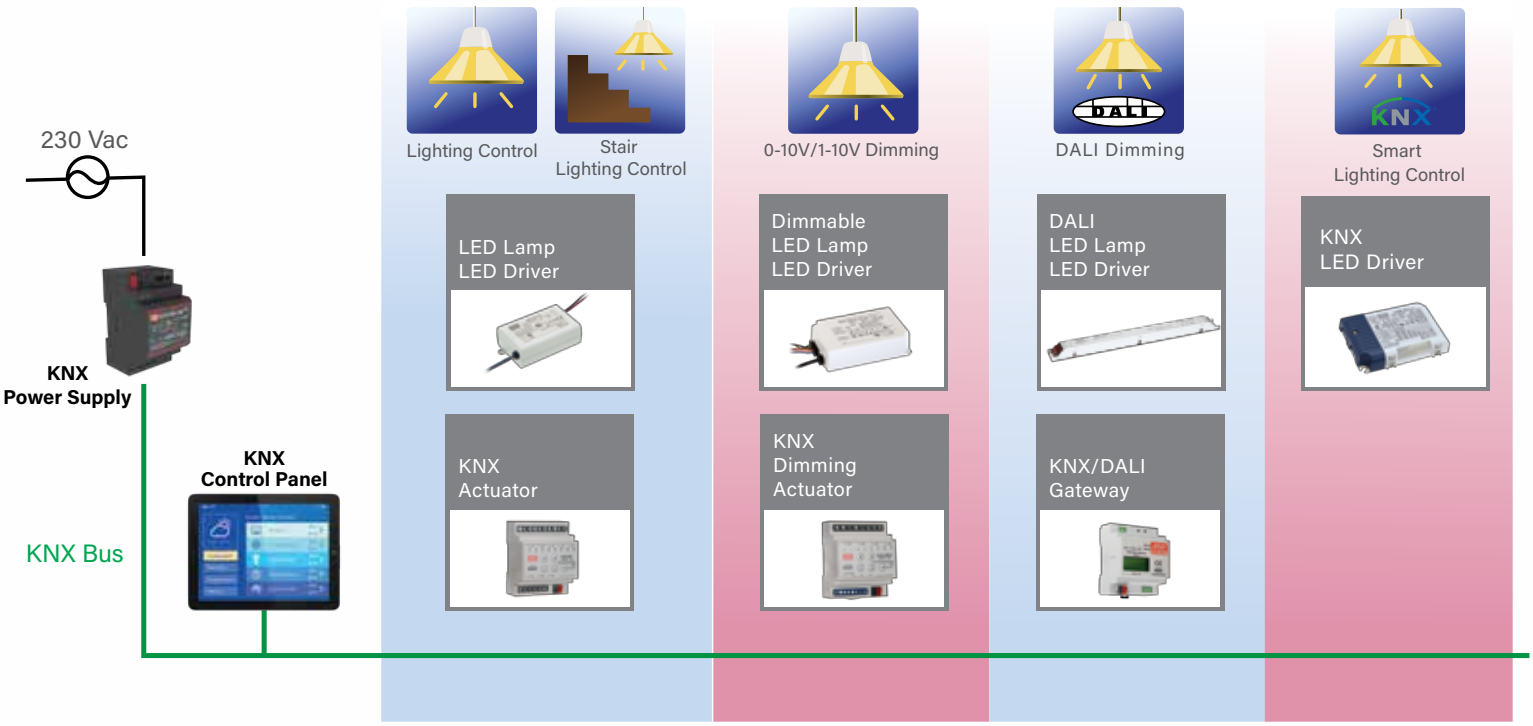
The idea behind KNX is as simple as it is ingenious. KNX combines all main building functions like lighting, shutter control to heating, ventilation, security, energy management and more into one intelligent system. In this system, all devices communicate with one another via a single bus cable which is installed alongside the normal power lines. This means that all electrical functions are connected with one another via the bus system, which helps to lower operational costs resulting in considerable energy savings, to save installation time as well as to increase flexibility and adaptability to future developments.

Source: www.knx.org

Benefits

The MEAN WELL KNX system product is an intelligent solution for networking and controlling building technology. Since the targeted connections of devices and functions comply with the KNX standard, both living and working are not only become more convenient and secure, but also more energy-efficient and economical.

Lighting Control & Total Power Solution



1 LED Drivers

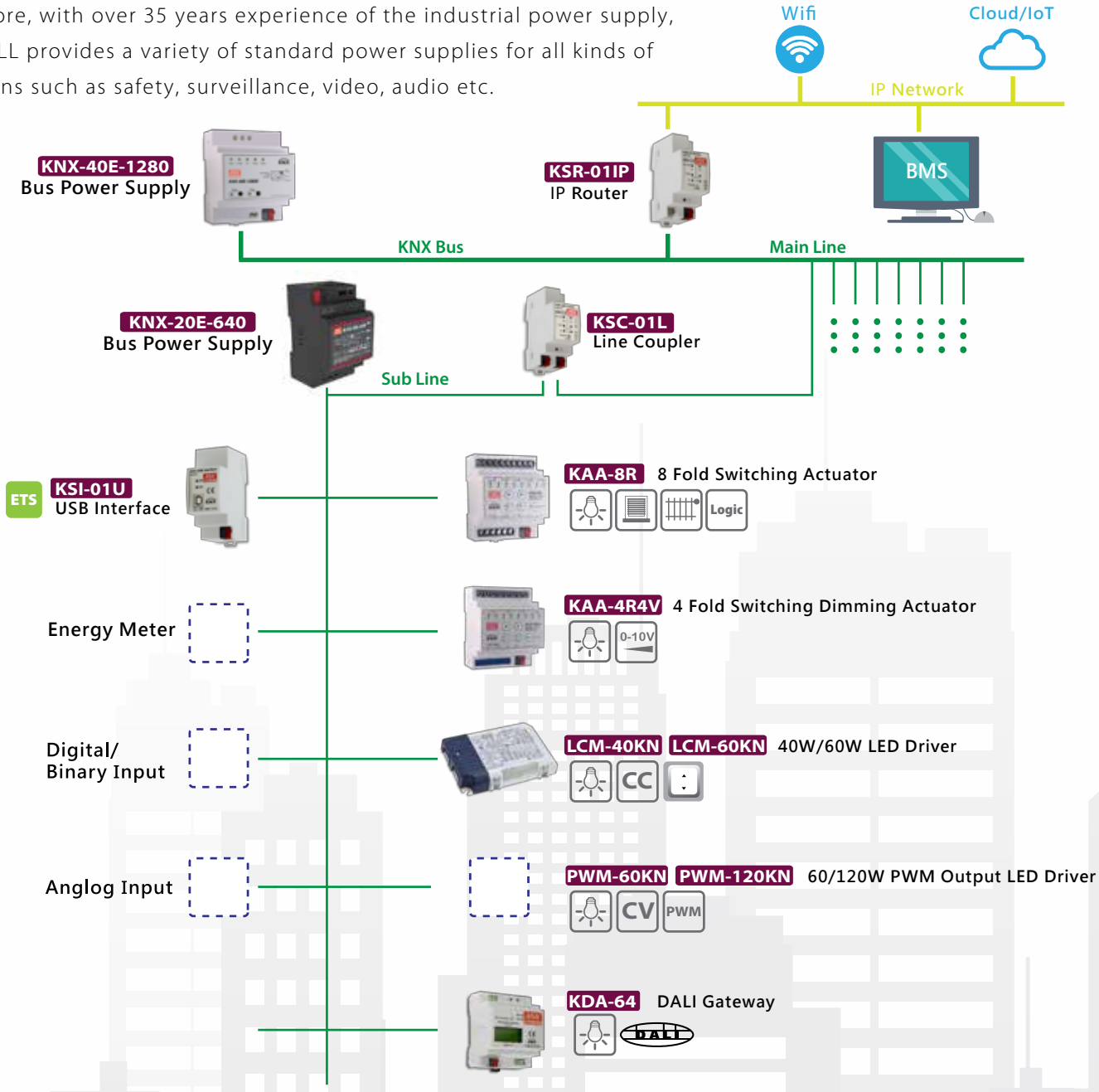
2 Green Adaptors

On Board Power Module

3 DIN Rail Power

Product Tree

The MEAN WELL KNX product range includes components covering the complete spectrum of applications found in modern buildings, ranging from lighting and shutter control to heating, ventilation, and many more. Furthermore, with over 35 years experience of the industrial power supply, MEAN WELL provides a variety of standard power supplies for all kinds of applications such as safety, surveillance, video, audio etc.



	Under Planning		Blind/Shutter Control	Logic	Logic Function	CC	Constant Current Driving Mode	0-10V	DC 0-10V Dimming Control
	Lighting Control		Heating Control		Push Button Interface	CV	Constant Voltage Driving Mode	PWM	PWM Style Output Mode

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Fast and Multi Language Support for any question of KNX product within 24 hr.
For the details please check the last page.

KAA Series

KNX Actuator

LED | Indoor | Household | Building Automation

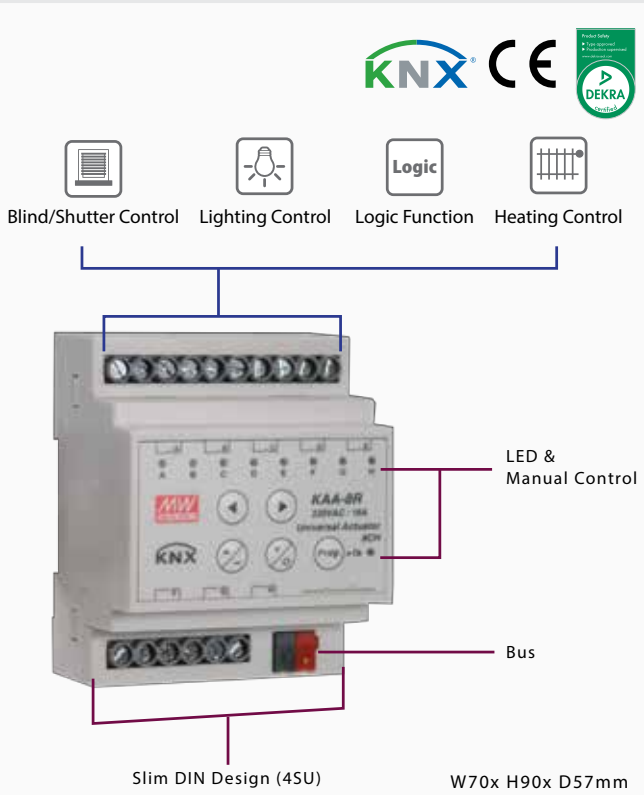
KNX Universal Actuator

KAA-8R is a 8 channel device with high quality independent latching relay for switch, shutter or any possible mixed applications.

Features

- 8 channel actuator in a compact size
- Suitable for various and mixed applications
- For AX, C-load, capacitive & inductive of loads
- Program via ETS5.0 software
- Manual control via Push button
- Programmable various time and scene function
- 3 years warranty

Model No.	Channel	Rating current/ channel
KAA-8R	8-Fold	16A
KAA-8R-10	8-Fold	10A



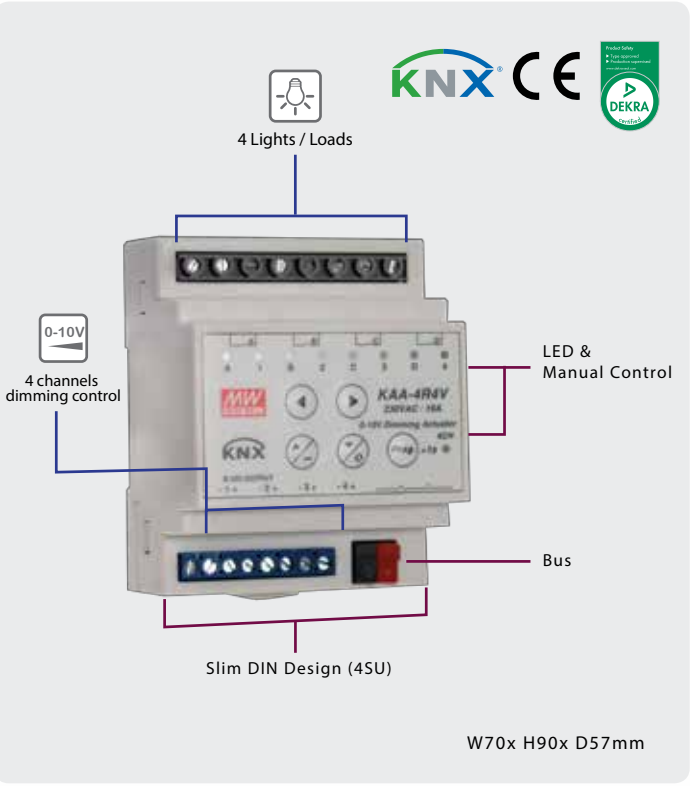
KNX Dimming Actuator

KAA-4R4V dimming actuator is a 4 channels device with high quality independent latching relay toturn on or off ,which is suitable for MEANWELL all kinds of LED drivers.

Features

- Dimming and switching LED driver and conventional electronic ballast
- LED indicator for each channel
- Linear or logarithmic dimming curve programable via ETS software
- Manual control via Push button on panel
- Programmable various time and scene function
- 3 years warranty

Model No.	Channel	Rating current/ channel
KAA-4R4V	4-Fold	16A
KAA-4R4V-10	4-Fold	10A



LCM Series

25~60W KNX LED Driver

Household | Indoor | LED | Building Automation

LCM-KN series is a AC/DC constant current mode output LED driver series featuring the multiple levels selectable by dip switch and the KNX interface to avoid using the complicated KNX-DALI gateway. LCM-KN operates from 180~295VAC and offers different current levels ranging between 350mA and 1400mA. Thanks to the high efficiency up to 90%, with the fanless design, the entire series is able to operate for -30°C~+90°C case temperature under free air convection. In addition, LCM-KN series is equipped with push dimming and synchronization so as to provide the optimal design flexibility for LED lighting system.

Under Development

▲LCM-25KN
L105x W68x H23mm

▲LCM-40/60KN
L123.5x W81.5x H23mm

Features

- KNX protocol
- Constant current mode output with multiple levels selectable by dip switch
- Support emergency lighting(EL)
- Constant lumen output
- Intergrated KNX push button interface
- Synchronization up to 10 units
- Functions: manual dim, operation hours, log/linear curve selection
- 3 years warranty

■ LCM-25/40/60KN

Model No.	Output	Io Tol.	Io Ripple	Effi.
LCM-25KN	350mA~1050mA, 6~54V	±5%	5%(max)	86%
LCM-40KN	350mA~1050mA, 2~100V	±5%	5%(max)	90%
LCM-60KN	500mA~1400mA, 2~90V	±5%	5%(max)	91%

PWM-60/120KN Series

60/120W PWM Output KNX LED Driver

Under Development

- Constant voltage PWM style output with user changeable frequency
- Plastic housing with class II design
- Built-in active PFC function
- No load power consumption <0.5W / standby power consumption <0.5W
- Integrated KNX control portocol
- No need KNX-DALI gateway
- Typical lifetime >50000 hours
- 5 years warranty

KNX Series

640mA & 1280mA Bus Power Supply

Household | Network | Indoor | Building Automation

640mA Bus Power Supply

KNX-20E-640 is a 640m A power supply with high efficiency and a small footprint of only 3SU (52.5 mm). The device has a KNX bus choke output and an additional output for ancillary power. LED indicators are used in normal operation, overload conditions and RESET operation. It is perfectly suitable to power up any products labeled with the KNX trademark. KNX-20E-640 is engineered to be a reliable and safe solution for KNX bus environment.

W52.5x H90x D54.5mm

1280mA Bus Power Supply

KNX-40E-1280 is a 1280mA power supply with high efficiency and a small footprint of only 4SU(72mm). The device has a KNX bus choke output and an additional output for ancillary power. LED indicators are used in normal operation, overload conditions and RESET operation. It is perfectly suitable to power up any products labeled with the KNX trademark. KNX-40E-1280 is engineered to be a reliable and safe solutionfor KNX bus environment.

W72x H90x D57mm

Features

- EIB / KNX power supply with Integrated choke
- Compact size with 3SU/4SU width
- Safety extra low voltage(SELV)
- 180~264VAC input
- No load power consumption <0.5W
- Protections:
  Short circuit / Overload(short-circuit-proof) /
  Over voltage
- Cooling by free air convection
- Isolation class I
- LED indicator for normal operation,
  bus reset and bus overload
- Installed on DIN rail TS-35/7.5 or 15
- Over voltage category III
- Wide operating temperature: -30~+70°C
- 3 years warranty

Model No.	Vout1 (with chock)	Vout2 (without chock)	Iout (I_1+I_2)
KNX-20E-640	Bus, 30VDC	30VDC	640mA

Model No.	Vout1 (with chock)	Vout2 (without chock)	Iout (I_1+I_2)
KNX-40E-1280☐D	Bus, 30VDC	30VDC	1280mA

☐ : Blank, D ; Blank= Basic function, D=Diagnostic function

System Component

LED | Indoor | Network | Household | Building Automation

DALI Gateway

KNX CE

KDA-64

W86x H72x D55mm

Features

- Easy configuration & installation
- Cost effective solution for smart building
- Connect up to 64 DALI ECGs/Drivers
- Built-in DALI power supply
- LCD 2x12 display
- Lighting control via the button
- Lighting control via the integrated web server
- Up to 16 DALI lighting groups setting
- Up to 16 DALI scenes setting
- 3 year warranty

USB Interface

KNX CE

KSI-01U

W36x H90x D71mm

Features

- No additional externl power supply required
- KNX commissioning addressing and parameters settings
- KNX protocol and system visualization
- Diagnostic operations
- Long messages support up to 220 byte APDU
- 3 year warranty

IP Router

KNX CE

KSR-01IP

W36x H90x D71mm

Features

- KNX IP/TP routing
- 4 KNX IP/TP tunnelings
- No additional externl power supply required
- Universal Plug and Play
- Telegram filtering
- Built-in web front-end page
- 3 year warranty

Line Coupler

KNX CE

KSC-01L

W36x H90x D71mm

Features

- KNX IP/TP routing
- 4 KNX IP/TP tunnelings
- No additional externl power supply required
- Universal Plug and Play
- Telegram filtering
- Built-in web front-end page
- 3 year warranty

HDR Series

ECO Household Automate Industrial Security Network Telecom

15~150W Ultra Slim Step Shape Power Supply

Features

- Ultra slim design with 1SU~6SU width
- Universal input 85~264VAC(277VAC operational)
- No load power consumption<0.3W
- Isolation class II
- Pass LPS (Limited power source)
- DC output voltage adjustable
- Protections : Short circuit / Overload / Over voltage
- Cooling by free air convection (working temperature:-30~+70°C)
- DIN rail TS-35/7.5 or 15 mountable
- Over voltage category III
- LED indicator for power on
- 3 years warranty

LPS c UL us c TÜV us UL508 UL60950-1E N61558 EAC CB CE R33100 RoHS IEC60950-1

▲HDR-15
L17.5x W90x D54.5mm

▲HDR-30
L17.5x W90x D54.5mm

▲HDR-60
L17.5x W90x D54.5mm

▲HDR-100
L17.5x W90x D54.5mm

▲HDR-150
L17.5x W90x D54.5mm

■ HDR-15

Model No.	Output	Tol.	R&N	Effi.
HDR-15-5	5V, 0~2.40A	±2%	80mV	80%
HDR-15-12	12V, 0~1.25A	±1%	120mV	85%
HDR-15-15	15V, 0~1.00A	±1%	120mV	85.5%
HDR-15-24	24V, 0~0.63A	±1%	150mV	86%
HDR-15-48	48V, 0~0.32A	±1%	240mV	87%

■ HDR-30

Model No.	Output	Tol.	R&N	Effi.
HDR-30-5	5V, 0~3.0A	±2%	80mV	82%
HDR-30-12	12V, 0~2.0A	±1%	120mV	88%
HDR-30-15	15V, 0~2.0A	±1%	120mV	89%
HDR-30-24	24V, 0~1.5A	±1%	150mV	89%
HDR-30-48	48V, 0~0.75A	±1%	240mV	90%

■ HDR-60

Model No.	Output	Tol.	R&N	Effi.
HDR-60-5	5V, 0~6.5A	±2%	80mV	85%
HDR-60-12	12V, 0~4.5A	±1%	120mV	88%
HDR-60-15	15V, 0~2.0A	±1%	120mV	89%
HDR-60-24	24V, 0~1.5A	±1%	150mV	90%
HDR-60-48	48V, 0~0.75A	±1%	240mV	91%

■ HDR-100

Model No.	Output	Tol.	R&N	Effi.
HDR-100-12	12V, 0~7.1A	±2%	120mV	88%
HDR-100-12N	12V, 0~7.5A	±2%	120mV	88%
HDR-100-15	15V, 0~6.13A	±1%	120mV	89%
HDR-100-15N	15V, 0~6.5A	±1%	120mV	89%
HDR-100-24	24V, 0~3.83A	±1%	150mV	90%
HDR-100-24N	24V, 0~4.2A	±1%	150mV	90%
HDR-100-48	48V, 0~1.92A	±1%	240mV	90%
HDR-100-48N	48V, 0~2.1A	±1%	240mV	90%

HDR-100: 92W max., pass LPS
HDR-100-xxN: 100W max., non-LPS with a wide output adjustable range

■ HDR-150

Model No.	Output	Tol.	R&N	Effi.
HDR-150-12	12V, 0~11.3A	±2%	100mV	89%
HDR-150-15	15V, 0~9.5A	±1%	120mV	89.5%
HDR-150-24	24V, 0~6.25A	±1%	150mV	90.5%
HDR-150-48	48V, 0~3.2A	±1%	200mV	92.5%

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