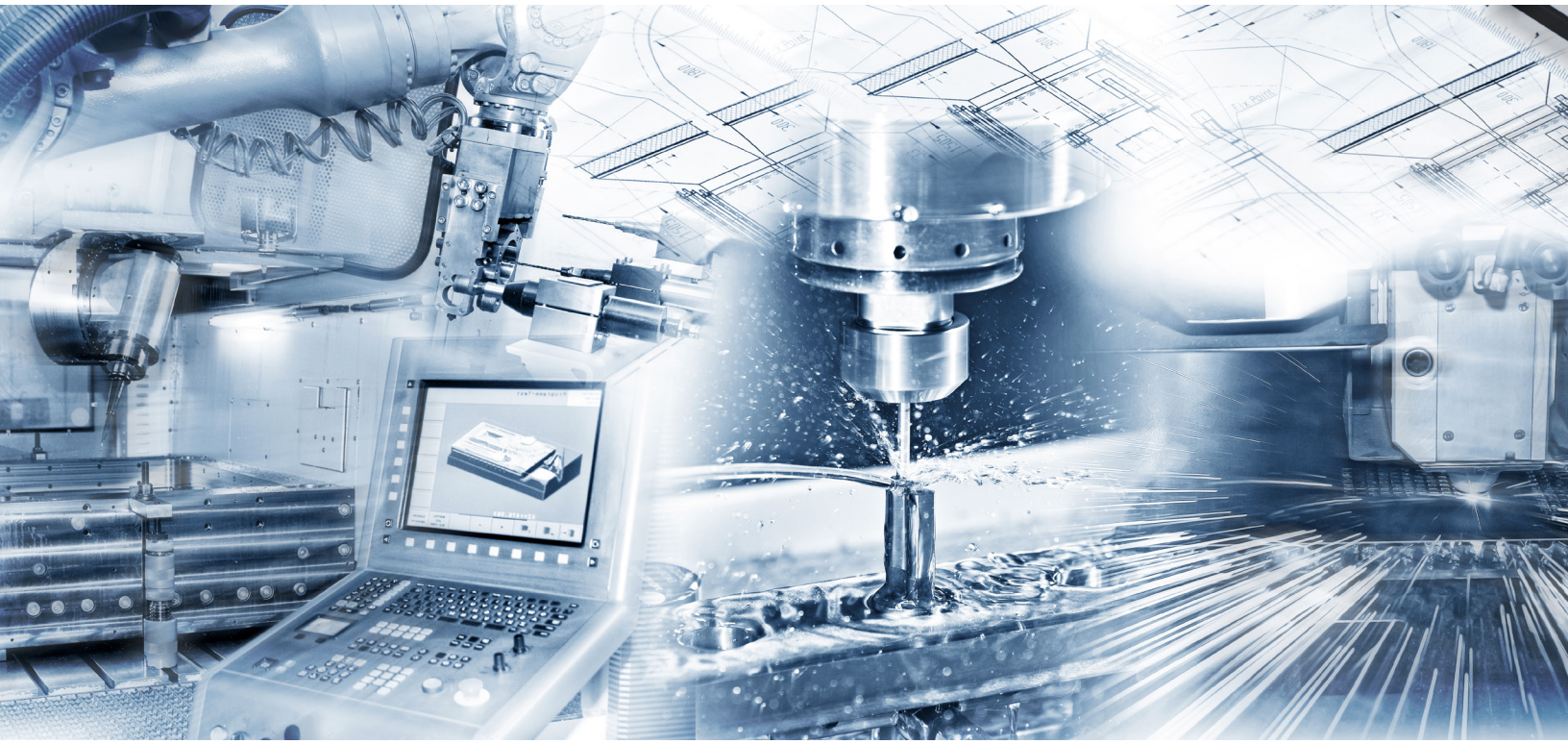
DIN Rail Products



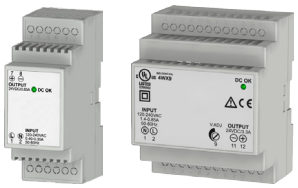
bel POWER SOLUTIONS & PROTECTION

a bel group

LDN Series: SINGLE PHASE, FOR GENERAL PURPOSE

The flat power supply for small cabinets

Class II, LDN20/40/80 Power Supplies are suitable for low power applications from 20 to 80 W. The units are hosted in a rugged plastic housing, compliant with the installation in standard cabinets.



MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	OVERLOAD LIMIT	DIMENSIONS (W x D x H)	EFFICIENCY
LDN20-12	120 - 240 VAC	12 VDC	1.65 A	20 W	>200%	35 x 90 x 61.5 mm	>80%
LDN20-24		24 VDC	0.85 A				>83%
LDN40-515	120 - 240 VAC	5 - 15 VDC	4.0 A - 2.0 A	40 W	>140-175%	72 x 90 x 61.5 mm	>80%
LDN40-12D		2x 12 - 16 VDC	1.0 A				>83%
LDN40-12		12 VDC	3.5 A - 3.0 A				>84%
LDN40-24		24 VDC	2.0 A				>85%
LDN80-12	120 - 240 VAC	12 VDC	6 A	80 W	>130%	72 x 90 x 61.5 mm	>88%
LDN80-24		24 VDC	3.2 A				

Applications

- Industrial automation
- Process control
- Heavy duty applications
- Building automation

High efficiency in minimum size

Class I, LDN120/240/480 Switching Mode Power Supplies were specifically designed for medium power industrial automation applications. Output voltages up to 72 VDC (model dependent) are available in a compact size, with important overload capability.

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	OVERLOAD LIMIT	DIMENSIONS (W x D x H)	EFFICIENCY
LDN120-12	120 - 240 VAC	12 - 15 VDC	7 A	120 W	>130-150%	40 x 110 x 115 mm	>85%
LDN120-24		24 VDC	5 A				>87%
LDN120-24P		24 VDC	5 A				>86%
LDN120-48P		48 VDC	2.5 A				>87%
LDN240-12	120 - 240 VAC (settable with Voltage Input Selector)	12 - 15 VDC	16 – 14 A	240 W	>120-130%	63 x 117 x 140 mm	>86%
LDN240-24		24 VDC	10 A				>88%
LDN240-24P		24 VDC	10 A				>86%
LDN240-48P		48 VDC	5 A				>88%
LDN240-72P		72 VDC	3.5 A				
LDN480-24	200 - 240 VAC	24 VDC	20 A	480 W	>140%	73 x 125 x 140 mm	>92%

LDC Series: SINGLE PHASE, MEDIUM POWER PREMIUM, ULTRACOMPACT

High flexibility in industrial environment

DIN Rail Power Supplies with active PFC for optimal efficiency, specially designed for space sensitive and demanding applications. They have user settable current limitation algorithm (Hiccup or Constant Current) and are easy parallelable for power increase or redundancy (with optional internal ORing).

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	OVERLOAD LIMIT	DIMENSIONS (W x D x H)	EFFICIENCY
LDC120-24	120 - 240 VAC	12 - 24 VDC	5 A	120 W	>150%	35 x 104 x 103 mm	>91%
LDC120-24P							
LDC120-48		24 - 48 VDC	2.5 A				
LDC120-48P							
LDC240-12	120 - 240 VAC	12 VDC	15 A	240 W	>150%	54 x 100 x 115 mm	>92%
LDC240-24		24 VDC	10 A				
LDC240-48		48 VDC	5 A				
LDC240-72		72 VDC	3.3 A				
LDC480-24	200 - 240 VAC	24 VDC	20 A	480 W	>150%	73 x 125 x 140 mm	>93%
LDC480-48		48 VDC	10 A				
LDC480-72		72 VDC	6.7 A				

Applications

- Industrial machine control
- Process control
- Telecom
- Renewable energy
- High reliability applications

LDP Series: PROGRAMMABLE, WIDE INPUT RANGE

Key Features & Benefits

- Extremely versatile
- 2 user programmable voltage steps with settable duration
- Digital control
- Remote ON/OFF possible
- Active PFC

Applications

- Industrial Control
- Communication
- Renewable Energy Systems
- Instrumentation Equipment

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	OVERLOAD LIMIT	DIMENSIONS (W x D x H)	EFFICIENCY
LDP200-200	230 / 400 VAC	36-205 VDC	2.3 A	200 W	>TBD%	80 x 120 x 112 mm	>87%

LDD Series: MEDIUM POWER DC/DC CONVERTERS

Wide choice for voltage adapting

DC-DC converters have optimal response to applications where compactness and high reliability are requested. All are isolated and offer a wide range of input voltages.

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	OVERLOAD LIMIT	DIMENSIONS (W x D x H)	EFFICIENCY
LDD120-1212	12 VDC	12 VDC	7 A	120 W	>130%	54 x 110 x 115 mm	> 81%
LDD120-1224		24 VDC	5 A				> 82%
LDD120-1248		48 VDC	2.5 A				> 83%
LDD120-2412	24 VDC	12 VDC	7 A				> 86%
LDD120-2424		24 VDC	5 A				> 86%
LDD120-4812	48 VDC	12 VDC	8 A				> 89%
LDD120-4824		24 VDC	5 A				> 89%
LDD240-11024	110 VDC	24 VDC	10 A	240 W	>150%	69 x 110 x 115 mm	>89%

Applications

- Industrial machine control
- Energy management
- Remote control systems
- Railway applications

LDW Series: SINGLE, DUAL AND THREE PHASE, COMPACT, WIDE INPUT RANGE

Top flexibility in premium size

DIN Rail Power Supplies with universal input 185 – 550 VAC with single, dual and three phase wiring or DC (350 – 725 VDC), for powers from 120 to 480 W, without any derating. They fit many applications, including renewable energy and decrease considerably the material management costs.

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	OVERLOAD LIMIT	DIMENSIONS (W x D x H)	EFFICIENCY
LDW120-12	1ph or 2ph	12 - 15 VDC	8 – 7 A	120 W	>140%	40 x 110 x 115 mm	>83%
LDW120-24		24 VDC	5 A				>87%
LDW120-48P	200 - 500 VAC	48 VDC	2.5 A				
LDW240-12	1ph, 2ph, 3ph	12 - 15 VDC	15 – 12 A	240 W	>150%	54 x 110 x 115 mm	>90%
LDW240-24		24 VDC	10 A				>92%
LDW240-48P	200 -500 VAC	48 VDC	5 A				
LDW240-72P		72 VDC	3.5 A				
LDW480-24	1ph, 2ph, 3ph	24 VDC	20 A	480 W	>140%	73 x 125 x 140 mm	>92%
LDW480-48		48 VDC	10 A				
LDW480-72	200 -500 VAC	72 VDC	6 A				>91%

LDT Series: THREE PHASE, HIGH POWER

High power in minimum size

Switching Mode Power Supplies with 3-phase input 340 – 550 VAC for powers from 480 to 2400 W, covering from 12 to 170 V (model dependent). They fit demanding applications where compactness and high power are needed.

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	OVERLOAD LIMIT	DIMENSIONS (W x D x H)	EFFICIENCY
LDT720-24	400 – 500 VAC	24 VDC	30 A	720 W	>150%	80 x 137.5 x 127 mm	>92%
LDT720-48		48 VDC	15 A				>93%
LDT960-24	400 – 500 VAC	24 VDC	40 A	960 W	>140%	80 x 137.5 x 127 mm	>92%
LDT960-48		48 VDC	20 A				
LDT960-72		72 VDC	13.3 A				>94%
LDT2400-24	400 – 500 VAC	11.9 - 29 VDC	100 A	2400 W	>150%	233 x 101 x 160 mm	>92%
LDT2400-48		23 - 56 VDC	50 A				
LDT2400-72		50 - 87 VDC	33 A				>93%
LDT2400-170		85 - 175 VDC	14 A				>92%

Applications

- Process control
- Conveyors
- DC back-up, battery charging
- Packing equipment
- Semiconductor manufacturing
- Renewable energy

DIN Rail Products

The Melcher LX/LW series of Industrial/Transportation DIN Rail PSU's, designed for rugged and harsh environments, where reliability is critical, featuring single or dual outputs and battery charging options.

MELCHER
The Power Partners.

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGES (VDC)	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY
LW-Series, single	85-264 VAC, 90-350 VDC	12.35, 24.7, 37, 49.4	2.5 to 14 A	125, 250 W	83, 87, 88%
LW-Series, dual	85-264 VAC, 90-350 VDC	2x12, 2x24, 2x36, 2x48	2x2.5 to 2x7 A	250 W	83, 87, 89%
LX-Series, single	85-264 VAC, 90-350 VDC	24.7, 37, 49.4	7.5 to 20 A	375, 500 W	87-88%
LX-Series, dual	85-264 VAC, 90-350 VDC	2x24, 2x36, 2x48	2x5, 2x 6.7, 2x10 A	500 W	87-88%
EW- Series	66-150 VDC	24.7 or 2x 24.7	5, or 2x5 A	120, 240 W	87%

DIN Rail Products by Bel Power Solutions

Bel Power Solutions offers a variety of DIN rail power supplies suitable for SELV and PELV circuitry. Products are designed to be mounted on DIN rail and installed inside a protective enclosure.

By implementing simple technologies and digital solutions, system can be guaranteed maximum safety. Thanks to a power boost by 50%, remote control, monitoring software, diagnosis tools and various protection circuitry, most of the critical operating conditions are well covered.

Bel Power Solutions & Protection are ISO9001 and ISO14001 certified.

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