

Power Supply | DIN Eco

3-phase DIN-rail power supply | 120–960 W | 24/48 V | Efficiency up to 95.5% | 340–575 Vac | Compact design

Article:	DIN Eco
Brand:	Delta Electronics
Input voltage AC:	3 x 340-575V (3-Phase) 2 x 340-575V (2-Phase)
Output voltage DC:	24V
Output current:	2.5A 5A 10A 20A 40A
Effect:	120W 240W 480W 960W
Connection:	Screw connection
Other:	3-phase 2-phase



Description

Power Supply | DIN Eco 3-phase, DIN-rail mountable. With 3-phase AC input 340–575 Vac without the need for a neutral conductor, it provides a flexible and efficient solution for industrial installations. The high efficiency of up to 95.5 % minimizes energy loss and heat development in the control cabinet.

The series is developed for demanding environments and can operate in temperatures from -40°C to +70°C. The compact design offers high power density and simplifies installation in modern enclosures. With SEMI F47 support, it handles voltage variations and ensures stable operation in sensitive applications.

Available in multiple power classes from 120 W to 960 W and with 24 V and 48 V outputs. Built-in functions such as LED indicators and DC OK relay (on models over 480 W) provide clear operating status and easy monitoring. The series is certified according to IEC/EN/UL standards for high safety in industrial environments.

- 3-phase AC input 340–575 Vac (no neutral required)
- Efficiency up to 95.5%
- Power ranges: 120 W, 240 W, 480 W, 960 W
- Output voltage: 24 V and 48 V
- Compact design with high power density
- Operating temperature -40°C to +70°C
- SEMI F47 compliant
- Surge protection 4 kV / 2 kV
- LED indicator and DC OK relay (480 W)
- Certified according to IEC / EN / UL 62368-1 and 61010



Article number

Art.No	Description	Input voltage AC	Output voltage DC	Output current	Capacity	Connection	Width mm	Height mm	Depth mm	PDF
DRL-24V120W3EN	Power Supply Eco	3 x 340-575V (3-Phase) 2 x 340-575V (2-Phase)	24V	5A	120W	Screw	40	124	117	PDF
DRL-24V240W3EN	Power Supply Eco	3 x 340-575V (3-Phase) 2 x 340-575V (2-Phase)	24V	10A	240W	Screw	56	124	117	PDF
DRL-24V480W3EN	Power Supply Eco	3 x 340-575V (3-Phase) 2 x 340-575V (2-Phase)	24V	20A	480W	Screw	60	124	117	PDF
DRL-24V960W3EN	Power Supply Eco	3 x 340-575V (3-Phase) 2 x 340-575V (2-Phase)	24V	40A	960W	Screw	110	124	142	PDF
DRL-48V120W3EN	Power Supply Eco	3 x 340-575V (3-Phase) 2 x 340-575V (2-Phase)	48V	2.5A	120W	Screw	40	124	117	PDF
DRL-48V240W3EN	Power Supply Eco	3 x 340-575V (3-Phase) 2 x 340-575V (2-Phase)	48V	5A	240W	Screw	56	124	117	PDF
DRL-48V480W3EN	Power Supply Eco	3 x 340-575V (3-Phase) 2 x 340-575V (2-Phase)	48V	10A	480W	Screw	60	124	143	PDF
DRL-48V960W3EN	Power Supply Eco	3 x 340-575V (3-Phase) 2 x 340-575V (2-Phase)	48V	20A	960W	Screw	110	124	143	PDF