

Delta Power Supplies

The World's Leading Power Solutions



Industrial DIN Rail Power Supplies

- ▶ LYTE II series
- ▶ FORCE-GT series
- ▶ CHROME II series
- ▶ DC-UPS series
- ▶ REDUNDANCY series

MECHTRIC





Industrial Power Supplies

Delta, the **world's leading power supply manufacturer**, offers high-performance solutions designed for demanding industrial applications. The rugged, compact enclosures provide enhanced durability, with high efficiency and protection features.

Product features:

- DIN-rail mounting (*RoHS compliant*)
- Wide input voltage range covering 85 - 264 VAC (*1-phase*) & 320 - 575 VAC (*3-phase*) models
- Provides overload, overvoltage and thermal protection
- Power boost - (*enables reserve power for reliable start-up of loads with high inrush currents*)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Certifications: UL508, IEC/EN 62368-1, cULus, EN 60204, GS, CCS Aus

type	input voltage	output voltage (adj)	rated load		housing	dimensions (mm)		
			(W)	(A)		(H)	(W)	(D)

LYTE II series DIN-rail mounting, ultra slim power supplies for general applications.

- Universal input range: 85...264 VAC
- Efficiency: Up to 90% (*at 230 VAC*)
- Operating temperature: -20°C to +70°C
- Includes built-in constant current circuit for reactive loads

DRL-12V75W1AZ	85 - 264 VAC	12 VDC	75	6.3	plastic	124	27	102
DRL-12V120W1EN	90 - 264 VAC	12 VDC	120	10.0	aluminium	124	30	117
DRL-12V240W1EN	90 - 264 VAC	12 VDC	240	20.0	aluminium	124	40	117
DRL-24V75W1AZ	85 - 264 VAC	24 VDC	75	3.1	plastic	124	27	102
DRL-24V120W1EN	90 - 264 VAC	24 VDC	120	5.0	aluminium	124	30	117
DRL-24V240W1EN	90 - 264 VAC	24 VDC	240	10.0	aluminium	124	40	117
DRL-24V480W1EN	90 - 264 VAC	24 VDC	480	20.0	aluminium	124	56	117
DRL-48V75W1AZ	85 - 264 VAC	48 VDC	75	1.6	plastic	124	27	102
DRL-48V120W1EN	90 - 264 VAC	48 VDC	120	2.5	aluminium	124	30	117
DRL-48V240W1EN	90 - 264 VAC	48 VDC	240	5.0	aluminium	124	40	117

FORCE-GT series DIN-rail mounting, high specification series power supplies

- High efficiency: Up to 95% (*at 230 VAC*)
- Operating temp: -30°C to +70°C
- Ultra-Slim design
- Includes built-in "DC OK" relay and LED indicator
- Full-load operating temperature up to 60°C
- Includes built-in constant current circuit for charging applications
- Conformal coating on PCBAs protect against chemical and dust pollutants

Single-phase

Input voltage range: 90 - 264 VAC

DRF-12V120W1GBA	90 - 264 VAC	12 VDC	120	10.0	aluminium	124	30	117
DRF-24V120W1GBA	90 - 264 VAC	24 VDC	120	5.0	aluminium	124	30	117
DRF-24V240W1GBA	90 - 264 VAC	24 VDC	240	10.0	aluminium	124	40	117
DRF-24V480W1GBA	90 - 264 VAC	24 VDC	480	20.0	aluminium	124	56	117

Three-phase

Input voltage range: 3 × 320 - 575 VAC

DRF-24V120W3GBA	320 - 575 VAC	24 VDC	120	5.0	aluminium	124	38	126
DRF-24V240W3GBA	320 - 575 VAC	24 VDC	240	10.0	aluminium	124	50	126
DRF-24V480W3GBA	320 - 575 VAC	24 VDC	480	20.0	aluminium	124	65	128

Key Features of Force-GT Series

Key features:

- Space-Saving Design
- High Power Density & Efficiency
- High-Demand Application

Application



Scan here





DRC-24V100W1RZ

CHROME II series

DIN-rail mounting, modular, Class II

The Chrome II series is designed for compact industrial and household applications. Featuring a slim DIN-rail form factor, these modular power supplies are ideal for installation in distribution boards, control cabinets, and household appliances.

- Suitable for OVC III applications
- High efficiency & low standby power consumption
- Class II double insulation (*no earth connection required*)
- Compact modular housing (*same profile and cut-out as standard MCBs*)
- Safety approval: IEC/EN/UL 60950-1 (*ITE standard*) and UL 508 (*industrial standard*)
- Household appliance approval: IEC/EN 60335-1, IEC/EN 61558-1/-2-16

type	input voltage	output voltage (adj)	rated load		housing	dimensions (mm)		
			(W)	(A)		(H)	(W)	(D)
DRC-5V10W1AZ	90 - 264 VAC	5 VDC (adj)	7.5	1.50	plastic	91	18	56
DRC-12V030W1RZ	90 - 264 VAC	12 VDC (adj)	24	2.00	plastic	91	53	56
DRC-12V060W1RZ	90 - 264 VAC	12 VDC (adj)	54	4.50	plastic	91	71	56
DRC-24V015W1RZ	90 - 264 VAC	24 VDC (adj)	36	1.5	plastic	91	53	56
DRC-24V030W1RZ	90 - 264 VAC	24 VDC (adj)	36	1.5	plastic	91	53	56
DRC-24V060W1RZ	90 - 264 VAC	24 VDC (adj)	60	2.50	plastic	91	71	56
DRC-24V100W1RZ	90 - 264 VAC	24 VDC (adj)	91.2	3.83	plastic	91	90	56

Complementary modules - DIN-rail mounting

Redundancy module

built-in 2 channel DC OK signal and alarm relay contact

Redundancy modules provide additional protection against potential failure of the 24 VDC supply. Two power supplies are decoupled via a redundancy module which continually monitors the feeding power supply units and when one unit fails, automatically switches to the other.

- Wide input and output range of 22 - 60 VDC
- Includes built-in 2 channel DC OK signal and alarm relay contact
- Conformal coating on PCBAs to protect against common dust and chemical pollutants

DRR-20N	22 - 60 VDC	22 - 60 VDC	—	20A	aluminium	121	50	122
DRR-40N	22 - 60 VDC	22 - 60 VDC	—	40A	aluminium	121	50	122

Buffer module

for protection against short power failures

Allows a system to continue operating during power disruptions lasting from milliseconds to seconds

- Buffering time 250ms to 10s (*depending on load current*)
- Supports parallel connection to extended buffering time
- Conformal coating on PCBAs to protect against common dust and chemical pollutants

DRB-24V020ABN	23 - 28.8 VDC	24 VDC	—	20A	aluminium	121	50	120
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DC-UPS module (without battery)

suitable for 24V system up to 40A

- High MTBF > 500,000 hours per Telcordia SR-332
- **Zero switchover** time from loss of DC input to battery operation
- Built-in diagnostic monitoring for DC OK, discharge and battery fail by relay contacts
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- LED indicator: DC OK, Battery Charging, Battery Discharging, Battery Fail and Battery Reverse Polarity

DRU-24V40ABN	DC-UPS	23 - 28 VDC	960	40A	aluminium	121	50	118
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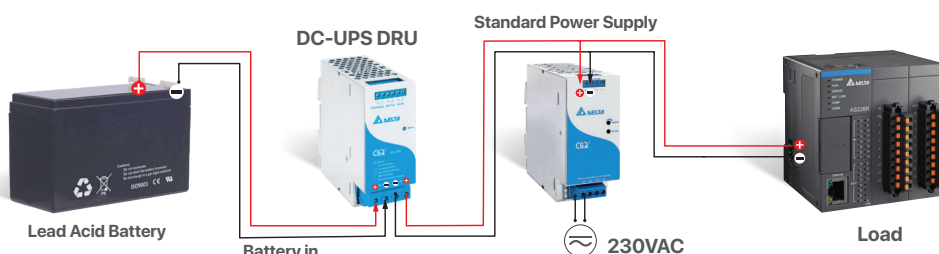
Modular DC-UPS module

DC-UPS module in a modular DIN-rail mounting format, occupy the same profile as standard miniature circuit breakers (MCBs), suited for mounting into distribution boards with a 45 mm frontal cutout.

DRU-24V10ACZ	DC-UPS	23 - 28 VDC	240	10A	plastic	91	71	56
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Delta 24V DC power supply - Backup solution

– The Delta DRU UPS seamlessly integrates with a 24V DC power supply setup to ensure continuous operation during AC source interruptions or failures.





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