



DIN Rail Power Supply

From The World's No.1 Power Supply Company

DIN Rail Power Supply

Product Introduction

The CliQ and CliQ II series DIN Rail Power Supply from one of the world's leading power supply companies, Delta Electronics Group, offer state-of-the-art designs made to withstand harsh industrial environments in accordance to ATEX requirements. The rugged metal or plastic case is both shock and vibration resistant according to IEC 60068-2. For more information or enquiries, please do not hesitate to contact your local Delta Electronics distributor or visit www.DeltaPSU.com.



Highlights & Features

- Universal AC input voltage without power de-rating
- Power Boost of 150% for:
 - CliQ: 3 seconds (480W: 200% for 2 seconds)
 - CliQ II: 5 seconds (480W: 200% for 2 seconds)
- Conformal coating on PCBA
- Full corrosion resistant Aluminium chassis
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- ATEX and Class I, Div 2 for selected models
- UL 508 Listed

Typical Applications



- Robotic arms
- Loom machines
- Air condition cleaning machines
- Hazardous locations
- Telecom POE applications
- CNC laser cutting machines
- Packing machines
- Building equipments
- Apparatus construction

Model Numbering

DR	P	XXXV	XXXW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DIN Rail	Product Type P - Power Supply	Output Voltage	Output Power	Phase Input 1 - Single Phase 3 - Three Phase	A - CliQ Series B - CliQ II Series N - NEC Class 2	A - Metal Case, with Class I, Div 2 N - Metal Case, without Class I, Div 2 Y - Plastic Case, with Class I, Div 2 Z - Plastic Case, without Class I, Div 2

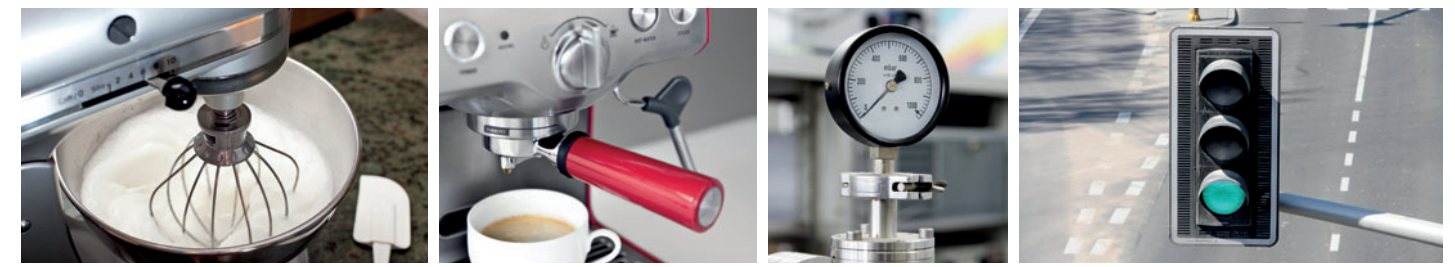
The Chrome DIN Rail Power Supply is designed for use in compact cabinets which are widely used in home automation and Food & Beverages industries. Current available specifications are with 24V output voltage for power ratings of 10W and 100W. The Chrome series features universal AC input range and is certified to international safety standard to Information Technology Equipment (ITE) and industrial Control Equipment (ICE).



Highlights & Features

- Class II double isolation (No earth connection is required)
- Universal AC input voltage without power de-rating
- Can be installed in compact cabinets
- NEC Class 2 power supply and Limited Power Source (LPS) approvals for selected models
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Safety approval according to IEC/EN/UL 60950-1 (ITE standard) and UL 508 (industrial standard)

Typical Applications



- Door bell systems
- Household applications
- Gate remote control systems
- Espresso machines
- Traffic signals
- Automatic feeders
- Blending machines
- Pump control / Irrigation
- Intelligent foot switch

Model Numbering

DR	C -	XXV	XXW	1	A	CC Code
DIN Rail	Product Type C - Isolation Class II Power Supply	Output Voltage	Output Power	Phase Input 1 - Single Phase	No PFC	Delta Standard

DIN Rail Power Supply

Product List



12V Output Single Phase				
Model Name	DRP012V015W1A□	DRP012V030W1A□	DRP012V060W1A□	DRP012V100W1A□
Output Voltage Range	11-14V	11-14V	11-14V	11-14V
Output Current / Power	1.25A / 15W	2.50A / 30W	5.00A / 60W	8.33A / 100W
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)			
Input Current	< 0.37A @ 115Vac, < 0.22A @ 230Vac	< 0.70A @ 115Vac, < 0.42A @ 230Vac	< 1.35A @ 115Vac, < 0.80A @ 230Vac	< 2.50A @ 115Vac, < 1.50A @ 230Vac
Operating Temperature	-20°C to +80°C			
Dimensions	100 x 32 x 100.6 mm	100 x 32 x 100.6 mm	121 x 32 x 120 mm	121 x 50 x 118.7 mm

24V Output Single Phase					
Model Name	DRP024V060W1AZ	DRP024V060W1AA	DRP024V120W1AA	DRP024V240W1AA	DRP024V480W1AA
Output Voltage Range	22-28V	22-28V	22-28V	22-28V	22-28V
Output Current / Power	2.50A / 60W	2.50A / 60W	5.00A / 120W	10.0A / 240W	20.0A / 480W
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)				
Input Current	< 1.10A @ 115Vac, < 0.70A @ 230Vac	< 1.10A @ 115Vac, < 0.70A @ 230Vac	< 1.40A @ 115Vac, < 0.80A @ 230Vac	< 2.90A @ 115Vac, < 1.50A @ 230Vac	< 5.70A @ 115Vac, < 2.80A @ 230Vac
Operating Temperature	-20°C to +80°C				
Dimensions	120.6 x 32 x 113 mm	121 x 32 x 120 mm	121 x 50 x 118.7 mm	121 x 85 x 118.5 mm	121 x 160 x 118.5 mm

*End-of-Life:
December 31, 2013

24V Output Three Phase				
Model Name	DRP024V060W3AA*	DRP024V120W3AA*	DRP024V240W3AA*	DRP024V480W3AA*
Output Voltage Range	22-28V	22-28V	22-28V	22-28V
Output Current / Power	2.50A / 60W	5.00A / 120W	10.0A / 240W	20.0A / 480W
Input Voltage Range	3 x 320-575Vac or 2 x 360-575Vac (DC input range 450-800Vdc)			3 x 320-575Vac (DC input range 450-800Vdc)
Input Current	< 0.30A/Phase @ 400Vac, < 0.20A/Phase @ 500Vac	< 0.50A/Phase @ 400Vac, < 0.40A/Phase @ 500Vac	< 0.80A/Phase @ 400Vac, < 0.70A/Phase @ 500Vac	< 1.60A/Phase @ 400Vac, < 1.10A/Phase @ 500Vac
Operating Temperature	-20°C to +80°C			
Dimensions	121 x 70 x 118.5 mm	121 x 70 x 118.4 mm	121 x 85 x 120.5 mm	121 x 160 x 118.5 mm



Redundancy Modules		
Model Name	DRR-20□	DRR-40□
Output Current (Nominal)	20A	40A
Voltage Drop (V_{in} - V_{out})	Typical 0.65V	
Input Voltage Range	22-60Vdc	
Input Current (Nominal)	(1+1 Redundancy) = 2 x 12.5A (N+1 Redundancy) = 2 x 10A (Single use) = 20A	(1+1 Redundancy) = 2 x 25A (N+1 Redundancy) = 2 x 20A (Single use) = 40A
Operating Temperature	-40°C to +80°C	
Dimensions	121 x 50 x 122.1 mm	121 x 50 x 122.1 mm



Buffer Module	
Model Name	DRB-24V020AB□
Output Voltage	24Vdc typ. (Depends on V _{in})
Output Current	20.0A
Input Voltage Range	22.8-28.8Vdc
Input Current	Charging Mode: < 0.6A, Discharging Mode: < 20A
Operating Temperature	-25°C to +75°C
Dimensions	121 x 70 x 120.1 mm



24V Output Single Phase					
Model Name	DRP024V060W1N□	DRP024V060W1B□	DRP024V120W1B□	DRP024V240W1B□	DRP024V480W1B□
Output Voltage Range	24-28V	24-28V	24-28V	24-28V	24-28V
Output Current / Power	2.50A / 60W	2.50A / 60W	5.00A / 120W	10.0A / 240W	20.0A / 480W
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)				
Input Current	< 1.50A @ 115Vac, < 0.80A @ 230Vac	< 1.40A @ 115Vac, < 0.80A @ 230Vac	< 2.20A @ 115Vac, < 1.10A @ 230Vac	< 2.50A @ 115Vac, < 1.30A @ 230Vac	< 5.00A @ 115Vac, < 3.00A @ 230Vac
Operating Temperature	-25°C to +80°C				
Dimensions	120.6 x 32 x 119.3 mm	121 x 32 x 125 mm	121 x 50 x 123.1 mm	121 x 85 x 124.1 mm	121 x 144 x 118.6 mm

24V Output Three Phase					
Model Name	DRP024V060W3B□	DRP024V120W3B□	DRP024V240W3B□	DRP024V480W3B□	DRP024V960W3B□
Output Voltage Range	24-28V	24-28V	24-28V	24-28V	24-28V
Output Current / Power	2.50A / 60W	5.00A / 120W	10.0A / 240W	20.0A / 480W	40.0A / 960W
Input Voltage Range	3 x 320-600Vac or 2 x 360-600Vac (DC input range 450-800Vdc)				
Input Current	< 0.30A/Phase @ 400Vac, < 0.25A/Phase @ 500Vac	< 0.50A/Phase @ 400Vac, < 0.40A/Phase @ 500Vac	< 0.75A/Phase @ 400Vac, < 0.65A/Phase @ 500Vac	< 0.95A/Phase @ 400Vac, < 0.75A/Phase @ 500Vac	< 1.70A/Phase @ 400Vac, < 1.40A/Phase @ 500Vac
Operating Temperature	-25°C to +80°C				
Dimensions	121 x 50 x 117.3 mm	121 x 50 x 117.3 mm	121 x 70 x 117.3 mm	121 x 140 x 117.3 mm	121 x 255 x 117.3 mm

48V Output Single Phase				
Model Name	DRP048V060W1B□	DRP048V120W1B□	DRP048V240W1B□	DRP048V480W1B□
Output Voltage Range	48-56V	48-56V	48-56V	48-56V
Output Current / Power	1.25A / 60W	2.50A / 120W	5.00A / 240W	10.0A / 480W
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)			
Input Current	< 1.40A @ 115Vac, < 0.80A @ 230Vac	< 2.20A @ 115Vac, < 1.10A @ 230Vac	< 2.50A @ 115Vac, < 1.30A @ 230Vac	< 5.00A @ 115Vac, < 3.00A @ 230Vac
Operating Temperature	-25°C to +80°C			
Dimensions	121 x 32 x 125 mm	121 x 50 x 123.1 mm	121 x 85 x 124.1 mm	121 x 144 x 118.6 mm

CHROME

NEW		
Model Name	DRC-24V10W1AZ	DRC-24V100W1AZ
Output Voltage Range	24V	20-24.48V
Output Current / Power	0.42A / 10W	3.80A / 91.2W
Input Voltage Range	90-264Vac (DC input range 125-375Vdc)	
Input Current	< 0.30A @ 115Vac, < 0.20A @ 230Vac	< 2.20A @ 115Vac, < 1.00A @ 230Vac
Operating Temperature	-25°C to +71°C	
Dimensions	91 x 18 x 55.6 mm	91 x 89.9 x 55.6 mm

New products are frequently introduced. Please visit www.DeltaPSU.com for latest product updates.





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