



# DIN Rail Power Supply

From The World's No.1 Power Supply Company

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[www.DeltaPSU.com](http://www.DeltaPSU.com)



# DIN Rail Power Supply

## Product Introduction

CLiQ™



AR

- Universal AC input voltage range
- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 3 seconds (24V/480W: 200% for 2 seconds)
- Full corrosion resistant aluminium casing (except 12V/15W, 12V/30W, 24V/48W and 24V/60W)
- Conformal coating on PCBAs to protect against common dust and chemical pollutants (except DRP-24V48W1AZ and DRP024V060W1AZ)
- Hazardous Locations approval to ATEX and Class I, Div 2 for selected models

CLiQ<sup>II</sup>



AR

- Universal AC input voltage range
- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 5 seconds (24V/480W: 200% for 2 seconds)
- Full corrosion resistant aluminium casing (except DRP024V060W1N□)
- Extreme low temperature cold start -40°C for selected models
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2 for selected models

CLiQ<sup>III</sup>



AR

- Universal AC input voltage range
- Built-in constant current circuit for charging application
- Power Boost of 150% for 5 seconds
- SEMI F47 compliance at 120Vac
- Extreme low temperature cold start at -40°C
- Built-in DC OK Contact and LED indicator for DC OK
- Conformal coating on PCBA to protect against common dust and chemical pollutants

CLiQ<sup>M</sup>



AR

- Universal AC input voltage range
- High power density in corrosion resistant aluminium casing
- Power Boost of 150% up to 7 seconds
- Advanced Power Boost (APB)
- DNV GL and ABS approvals for maritime applications
- Built-in DC OK contact and LED indicator for DC OK/ Over Load
- Conformal coating on PCBAs to protect against common dust and chemical pollutants

## CLIQ<sup>VA</sup>



- Universal AC input voltage range
- LCD display monitoring the output current / voltage / peak current and temperature
- Life time expectancy alarm signal and monitoring
- Power Boost of 150% up to 7 seconds
- Advanced Power Boost (APB)
- DC OK Contact and LED indicator for DC OK/ Overload
- Conformal coating on PCBAs to protect against common dust and chemical pollutants

## LYTE



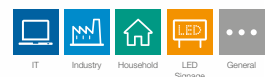
- Universal AC input voltage range
- High power density
- Built-in constant current circuit for reactive loads
- Built-in DC OK relay contact (option available)
- Compliance to SEMI F47 @ 200Vac
- 15kV common mode & 8kV differential mode ESD immunity
- Conformal coating on PCBAs to protect against common dust and chemical pollutants

## CHROME



- Class II Double Isolation (No earth connection is required)
- Universal AC input voltage range and full power up to 55°C
- Power will not de-rate for the entire input voltage range
- Can be installed in compact cabinets
- NEC Class 2 and Limited Power Source (LPS) approvals (except DRG-12V100W1AZ)
- 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)

## SYNC



- Ultra compact size
- Universal AC input voltage range and full power from -10°C to 55°C operation
- Up to 89.0% efficiency
- Low earth leakage current < 0.5mA @ 264Vac
- Built-in DC OK relay contact option available
- Extreme low temperature cold start at -40°C
- NEC Class 2 / Limited Power Source (LPS) certified

# DIN Rail Modules

## Product Introduction

CLiQ<sup>II</sup>

### Redundancy Modules



AR

- Wide input and output range of 22-60Vdc
- Very wide operating temperature from -40°C to +80°C
- Built-in 2 channel DC OK signal and alarm relay contact
- Support N+1 Redundancy connection
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2
- IP20 Certified

CLiQ<sup>II</sup>

### Buffer Modules



AR

- Minimum buffering time of:
  - 250ms @ 24V/20A for DRB-24V020AB□
  - 200ms @ 24V/40A for DRB-24V040ABN
- Flexible operating buffering voltage modes: Fixed mode at 22Vdc; Dynamic mode for  $V_{in} - 1V$
- Support parallel connection to extend buffering time
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2 for DRB-24V020ABA

CLiQ<sup>II</sup>

### DC-UPS Module



AR

- Full corrosion resistant aluminium casing
- Suitable for 24V system up to 40A
- Built-in diagnostic monitoring for DC OK, Discharge and Battery Fail by relay contacts
- LED indicator for DC OK, Battery Charging, Battery Discharging, Battery Fail and Battery Reverse Polarity
- High MTBF > 500,000 hrs per Telcordia SR-332
- Conformal coating on PCBAs to protect against common dust and chemical pollutants

CHROME

### DC-UPS Module



AR

- Suitable for 24V system up to 10A
- Zero switch over time from loss of DC input to battery operation
- Built-in diagnostic monitoring for DC OK, Discharge and Battery Fail by relay contacts
- Full power for the entire temperature range from -20°C to +60°C
- LED indicator for DC OK, Battery Charging, Battery Discharging, Battery Fail and Battery Reverse Polarity
- High MTBF > 500,000 hrs as per Telcordia SR-332

# DIN Rail Power Supply & Modules

## Product List

New products are frequently introduced. Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) for latest product updates.

Series	Model Name	Phase			PFC	Output Voltage	Output Current	Output Power	Input Voltage Range*	Dimensions (L x W x D)		
		1	2	3								
CliQ	DRP012V015W1AY	●				12V	1.25A	15W	85-264Vac (DC input range 120-375Vdc)	100 x 32 x 100.6 mm (3.94" x 1.26" x 3.96")		
	DRP012V015W1AZ	●										
	DRP012V030W1AY	●					2.5A	30W			100 x 32 x 100.6 mm (3.94" x 1.26" x 3.96")	
	DRP012V030W1AZ	●										
	DRP012V060W1AA	●					5.0A	60W			121 x 32 x 120 mm (4.76" x 1.26" x 4.72")	
	DRP012V100W1AA	●					8.33A	100W			121 x 50 x 118.7 mm (4.76" x 1.97" x 4.67")	
	CliQ	DRP-24V48W1AZ	●				24V	2.0A	48W	85-264Vac (DC input range 120-375Vdc)	100 x 32 x 100.6 mm (3.94" x 1.26" x 3.96")	
		DRP024V060W1AZ	●					2.5A	60W			120.6 x 32 x 113 mm (4.75" x 1.26" x 4.45")
		DRP024V060W1AA	●					2.5A	60W			121 x 32 x 120 mm (4.76" x 1.26" x 4.72")
		DRP024V120W1AA	●			●		5.0A	120W			121 x 50 x 118.7 mm (4.76" x 1.97" x 4.67")
		DRP024V240W1AA	●			●		10.0A	240W			121 x 85 x 118.5 mm (4.76" x 3.35" x 4.67")
		DRP024V480W1AA	●			●		20.0A	480W			121 x 160 x 118.5 mm (4.76" x 6.30" x 4.67")
CliQ II	DRP024V060W1BA	●				24V	2.5A	60W	85-264Vac (DC input range 120-375Vdc)	121 x 32 x 125 mm (4.76" x 1.26" x 4.92")		
	DRP024V060W1BN	●										
	DRP024V060W1NY	●					2.5A	60W			120.6 x 32 x 119.3 mm (4.75" x 1.26" x 4.70")	
	DRP024V060W1NZ	●										
	DRP-24V100W1NN	●			●		3.8A	91.2W			124 x 40 x 124 mm (4.88" x 1.57" x 4.88")	
	DRP024V120W1BA	●					5.0A	120W			121 x 50 x 123.1 mm (4.76" x 1.97" x 4.85")	
	DRP024V120W1BN	●										
	DRP024V240W1BA	●			●		10.0A	240W			121 x 85 x 124.1 mm (4.76" x 3.35" x 4.89")	
	DRP024V240W1BN	●			●							
	DRP024V480W1BA	●			●		20.0A	480W			121 x 144 x 118.6 mm (4.76" x 5.67" x 4.67")	
	DRP024V480W1BN	●			●							
	DRP-24V120W2BN	●	●				5.0A	120W		2 x 180-550Vac or 180-305Vac (Single Phase) (DC input range 254-780Vdc)	124 x 40 x 117 mm (4.88" x 1.57" x 4.61")	
	DRP-24V240W2BN	●	●		●	10.0A	240W	124 x 60 x 117 mm (4.88" x 2.36" x 4.61")				
	DRP024V060W3BA		●	●		2.5A	60W	3 x 320-600Vac or 2 x 360-600Vac (DC input range 450-800Vdc)	121 x 50 x 117.3 mm (4.76" x 1.97" x 4.62")			
	DRP024V060W3BN		●	●								
	DRP024V120W3BA		●	●								
	DRP024V120W3BN		●	●								
	DRP024V240W3BA		●	●								
	DRP024V240W3BN		●	●								
	DRP024V480W3BA		●	●	●							
	DRP024V480W3BN		●	●	●							
DRP024V960W3BN		●	●	●								
		●	●	●								
CliQ II	DRP048V060W1BA	●				48V	1.25A	60W	85-264Vac (DC input range 120-375Vdc)	121 x 32 x 125 mm (4.76" x 1.26" x 4.92")		
	DRP048V060W1BN	●										
	DRP048V120W1BA	●			●		2.5A	120W			121 x 50 x 123.1 mm (4.76" x 1.97" x 4.85")	
	DRP048V120W1BN	●			●							
	DRP048V240W1BA	●			●		5.0A	240W			121 x 85 x 124.1 mm (4.76" x 3.35" x 4.86")	
	DRP048V240W1BN	●			●							
	DRP048V480W1BA	●			●		10.0A	480W			121 x 144 x 118.6 mm (4.76" x 5.67" x 4.67")	
	DRP048V480W1BN	●			●							

\*DC input is certified for selected models.

### Model Numbering

DR	P	OV	OW	□	□	□
DIN Rail	Product Type P - Power Supply	Output Voltage	Output Power	Phase Input 1 - Single Phase 2 - Two Phase 3 - Three Phase	A - CliQ Series B - CliQ II Series N - NEC Class 2	A - Metal Case, with Class I, Div 2 and ATEX approvals N - Metal Case, without Class I, Div 2 and ATEX approvals Y - Plastic Case, with Class I, Div 2 and ATEX approvals Z - Plastic Case, without Class I, Div 2 and ATEX approvals



Series	Model Name	Phase			PFC	Output Voltage	Output Current	Output Power	Input Voltage Range*	Dimensions (L x W x D)
		1	2	3						
CliQ III	DRP-24V120W1CAN	●			●	24V	5.0A	120W	88-264Vac	124 x 40 x 117 mm (4.88" x 1.57" x 4.60")
	DRP-24V120W1CBN	●			●				88-264Vac (DC input range 88-375Vdc)	
	DRP-24V240W1CAN	●			●		10.0A	240W	88-264Vac	124 x 60 x 117 mm (4.88" x 2.36" x 4.60")
	DRP-24V240W1CBN	●			●				88-264Vac (DC input range 88-375Vdc)	
	DRP-24V480W1CAN	●			●		20.0A	480W	88-264Vac	124 x 82 x 127 mm (4.88" x 3.23" x 5.00")
	DRP-24V480W1CBN	●			●				88-264Vac (DC input range 88-375Vdc)	
CliQ M	DRM-24V80W1PN	●			●	24V	3.4A	81.6W	85-276Vac (DC input range 88-375Vdc)	124 x 32 x 102 mm (4.88" x 1.26" x 4.02")
	DRM-24V120W1PN	●			●		5.0A	120W	85-264Vac (DC input range 88-375Vdc)	124 x 40 x 117 mm (4.88" x 1.57" x 4.61")
	DRM-24V240W1PN	●			●		10.0A	240W	85-276Vac (DC input range 88-375Vdc)	124 x 60 x 117 mm (4.88" x 2.36" x 4.61")
	DRM-24V480W1PN	●			●		20.0A	480W		124 x 82 x 127 mm (4.88" x 3.23" x 5.00")
	DRM-24V960W1PN	●			●		40.0A	960W	85-264Vac	124 x 125 x 133.6 mm (4.88" x 4.92" x 5.26")
CliQ VA	DRV-24V120W1PN	●			●	24V	5.0A	120W	85-264Vac	124 x 60 x 139 mm (4.88" x 2.36" x 5.47")
	DRV-24V240W1PN	●			●		10.0A	240W	85-276Vac	124 x 60 x 139 mm (4.88" x 2.36" x 5.47")
	DRV-24V480W1PN	●			●		20.0A	480W		124 x 82 x 149 mm (4.88" x 3.23" x 5.87")
Lyte	DRL-24V120W1A□	●				24V	5.0A	120W	85-264Vac	123.6 x 40 x 117.6 mm (4.87" x 1.57" x 4.63")
	DRL-24V240W1A□	●			●		10.0A	240W		123.6 x 60 x 117.6 mm (4.87" x 2.36" x 4.63")
	DRL-24V480W1A□	●			●		20.0A	480W		123.6 x 85.5 x 128.5 mm (4.87" x 3.37" x 5.06")
	DRL-48V120W1A□	●					48V	2.5A	120W	85-264Vac
Chrome	DRC-5V10W1A□	●				5V	1.5A	7.5W	90-264Vac	91 x 18 x 55.6 mm (3.58" x 0.71" x 2.19")
	DRC-12V10W1A□	●				12V	0.83A	10W	90-264Vac	91 x 18 x 55.6 mm (3.58" x 0.71" x 2.19")
	DRC-12V30W1A□	●			2.1A		25.2W	91 x 53 x 55.6 mm (3.58" x 2.09" x 2.19")		
	DRC-12V60W1A□	●			4.5A		54W	91 x 71 x 55.6 mm (3.58" x 2.80" x 2.19")		
	DRC-12V100W1AZ	●			6.0A		72W	91 x 89.9 x 55.6 mm (3.58" x 3.54" x 2.19")		
	DRC-24V10W1A□	●					24V	0.42A		10W
	DRC-24V10W1HZ	●			0.42A	10W		91 x 18 x 55.6 mm (3.58" x 0.71" x 2.19")		
	DRC-24V30W1A□	●			1.25A	30W		91 x 53 x 55.6 mm (3.58" x 2.09" x 2.19")		
	DRC-24V60W1A□	●			2.5A	60W		91 x 71 x 55.6 mm (3.58" x 2.80" x 2.19")		
	DRC-24V100W1A□	●			3.8A	91.2W		90-264Vac (DC input range 120-375Vdc)	91 x 89.9 x 55.6 mm (3.58" x 3.54" x 2.19")	

\*DC input is certified for selected models.

## Model Numbering

<b>DR</b>	<b>P –</b>	<b>□V</b>	<b>□W</b>	<b>1</b>	<b>C</b>	<b>□</b>	<b>N</b>
DIN Rail	Product Type P - Power Supply	Output Voltage	Output Power	Phase Input 1 - Single Phase	C - CliQ III Series	Input Voltage A - AC Input B - AC & DC Input	N - Metal Case, without Class I, Div 2 and ATEX approvals
<b>DR</b>	<b>M –</b>	<b>□V</b>	<b>□W</b>	<b>1</b>	<b>P</b>	<b>N</b>	
DIN Rail	Product Series M - CliQ M Series	Output Voltage	Output Power	Phase Input 1 - Single Phase	Advanced Power Boost (APB)	N - Metal Case, without Class I, Div 2 and ATEX approvals	
<b>DR</b>	<b>V –</b>	<b>□V</b>	<b>□W</b>	<b>1</b>	<b>P</b>	<b>N</b>	
DIN Rail	Product Series VA - CliQ VA Series	Output Voltage	Output Power	Phase Input 1 - Single Phase	Advanced Power Boost (APB)	N - Metal Case, without Class I, Div 2 and ATEX approvals	

Series	Model Name	Phase		PFC	Output Voltage	Output Current	Output Power	Input Voltage Range*	Dimensions (L x W x D)		
		1	2								
Sync	DRS-5V30W1NZ	●			5V	3.0A	15W	85-264Vac (DC input range 120-375Vdc)	75 x 21 x 89.5 mm (2.95" x 0.83" x 3.52")		
	DRS-5V50W1A□	●				6.0A	30W		75 x 30 x 89.5 mm (2.95" x 1.18" x 3.52")		
	DRS-5V50W1N□	●				5.0A	25W				
	DRS-12V50W1N□	●			12V	4.0A	48W	85-264Vac (DC input range 120-375Vdc)	75 x 30 x 89.5 mm (2.95" x 1.18" x 3.52")		
	DRS-24V30W1AZ	●				24V	1.25A		30W	85-264Vac (DC input range 120-375Vdc)	75 x 21 x 89.5 mm (2.95" x 0.83" x 3.52")
	DRS-24V30W1NZ	●					1.25A		30W		75 x 21 x 89.5 mm (2.95" x 0.83" x 3.52")
	DRS-24V50W1N□	●			2.1A		50W	75 x 30 x 89.5 mm (2.95" x 1.18" x 3.52")			
	DRS-24V100W1A□	●		●	24V	4.0A	96W	85-264Vac (DC input range 120-375Vdc)	75 x 45 x 100 mm (2.95" x 1.77" x 3.94")		
	DRS-24V100W1N□	●		●		3.8A	91.2W				

\* DC input is certified for selected models.

Series	Product Type	Model Name	Output Voltage	Output Current	Input Current	Input Voltage Range	Dimensions (L x W x D)
CliQ II	Redundancy Module	DRR-20A	22-60V	20.0A	(1+1 Redundancy) = Nominal 2 x 12.5A (N+1 Redundancy) = Nominal 2 x 10A	22-60Vdc	121 x 50 x 122.1 mm (4.76" x 1.97" x 4.81")
		DRR-20N		40.0A			
		DRR-40A			20.0A		
		DRR-40N		40.0A			
	Buffer Module	DRB-24V020ABA	24V		20.0A	Charging Mode: < 0.6A	22.8-28.8Vdc
		DRB-24V020ABN		40.0A			
		DRB-24V040ABN			40.0A		
DC-UPS Module	DRU-24V40ABN	24V	40.0A	Charging Mode: 2.0A ± 1.0A		24-28Vdc	121 x 50 x 117.3 mm (4.76" x 1.97" x 4.62")
	DRU-24V10ACZ		10.0A	Charging Mode: 0.5A ± 0.1A			
Chrome						91 x 71 x 55.6 mm (3.58" x 2.80" x 2.19")	

## Model Numbering

DR	L –	□V	□W	1	A	□
DIN Rail	Product Series L - Lyte Series	Output Voltage	Output Power	Phase Input 1 - Single Phase	Standard Bracket	A - Without DC OK Relay Contact S - With DC OK Relay Contact
DR	C –	□V	□W	1	□	□
DIN Rail	Product Type C - Isolation Class II Power Supply	Output Voltage	Output Power	Phase Input 1 - Single Phase	A - No PFC H - Household Approval	Z - Black Plastic Case G - Grey Plastic Case C - Black Plastic Case with conformal coating <sup>1)</sup>
1) Options for DRC-24V60W1A□ and DRC-24V100W1A□ only						
DR	S –	□V	□W	1	□	□
DIN Rail	Product Series S - Sync Series	Output Voltage	Output Power	Phase Input 1 - Single Phase	A - Non NEC Class 2 N - NEC Class 2	Z - Without DC OK Relay Contact R - With DC OK Relay Contact
DR	R –			□		□
DIN Rail	Product Type R - Redundancy Module			Output Current 20 - 20A 40 - 40A		A - Metal Case, with Class I, Div 2 N - Metal Case, without Class I, Div 2
DR	□ –	24V	□A	□		□
DIN Rail	Product Type U - DC-UPS Module B - Buffer Module	Output Voltage	Output Current	B - CliQ II Series C - Chrome Series		A - Metal Case, with Class I, Div 2 N - Metal Case, without Class I, Div 2 Z - Plastic Case, without Class I, Div 2



To learn more about DIN rail power supply, please visit our website.





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October 2018 - All information and specifications are subjected to change without prior notice.