

# Force-GT Series

## Highly Efficient DIN Rail Power Supplies



## Delta DIN Rail Power Supply Force-GT Series Features Ultra-Slim and High Efficiency

Delta launches new DIN rail power supply Force-GT Series with single-phase and three-phase models. The Series features wide power range from 120 W to 960 W, high power efficiency of up to 95%, and an ultra-slim design. Two single-phase 480 W models of the Series have just been certified with 80 PLUS Platinum for 115 V Industrial, outcompeting other DIN rail power supplies.

The Force-GT Series provides 120 W to 960 W power and voltage output from 12 V to 48 V. The Series features power conversion efficiency up to 95% and derating at  $> 60^{\circ}\text{C}$  by 2.5%/ $^{\circ}\text{C}$  (1 PH) and at  $> 55^{\circ}\text{C}$  by 2.5%/ $^{\circ}\text{C}$  (3 PH). It is environmentally friendly and significantly reduces unnecessary energy consumption and extra operating costs. Featuring  $-30^{\circ}\text{C}$  to  $70^{\circ}\text{C}$  wide range operating temperature,  $-40^{\circ}\text{C}$  cold start, up to  $60^{\circ}\text{C}$  full load

temperature, and protective coatings that prevent dust and chemical pollutants, the Series can be applied in harsh industrial environments. With the aforementioned advantages, Force-GT Series is reliable and meets the demands for advanced, high-stability-demanded machines such as semiconductor equipment, advanced manufacturing equipment, and industrial robots.

Compared to the previous generation, the Force-GT Series offers reduced volume by 30% - 50%, thus, allowing for more space in machines or cabinets. In addition, its built-in DC OK relay allows for connection to sensors in smart solution applications. The Series is compliant with multiple international safety certifications and meets heavy industry and semiconductor standards to offer highly efficient and stable power supplies to customers worldwide.

## Features

- Universal AC input voltage range
- Built-in constant current circuit for charging applications
- Wide operating temperature -30°C to 70°C and cold start at -40°C
- Full load operating temperature up to 60°C
- Ultra-slim design
- Long life electrolytic capacitor
- Reduced no-load power consumption
- Built-in DC OK relay and LED indicator
- Conformal coating on PCBAs to protect against common dust and pollutants

## Applications



## More Information

### • Single-Phase

12 V	DRF-12V120W1GBA	<a href="https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-12V120W1GBA">https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-12V120W1GBA</a>
	DRF-12V240W1GBA	<a href="https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-12V240W1GBA">https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-12V240W1GBA</a>
24 V	DRF-24V120W1GBA	<a href="https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V120W1GBA">https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V120W1GBA</a>
	DRF-24V240W1GBA	<a href="https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V240W1GBA">https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V240W1GBA</a>
	DRF-24V480W1GBA	<a href="https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V480W1GBA">https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V480W1GBA</a>
48 V	DRF-48V120W1GBA	<a href="https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-48V120W1GBA">https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-48V120W1GBA</a>
	DRF-48V240W1GBA	<a href="https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-48V240W1GBA">https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-48V240W1GBA</a>
	DRF-48V480W1GBA	<a href="https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-48V480W1GBA">https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-48V480W1GBA</a>

### • Three-Phase

24 V	DRF-24V120W3GBA	<a href="https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V120W3GBA">https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V120W3GBA</a>
	DRF-24V240W3GBA	<a href="https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V240W3GBA">https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V240W3GBA</a>
	DRF-24V480W3GBA	<a href="https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V480W3GBA">https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V480W3GBA</a>
	DRF-24V960W3GBA	<a href="https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V960W3GBA">https://www.deltapsu.com/en/products/din-rail-power-supply/DRF-24V960W3GBA</a>

- **Please contact your local sales representative for product availability.** Alternatively, you may leave us a message and our sales representative shall get back to you.