

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

DELTA V

SE5009

DC-TO-DC SYSTEM POWER SUPPLY

Used with the applicable DeltaV S-series system power configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Emerson official manufacturer documentation

S-series DC to DC System Power Supply

- Easy to use
- Flexible and cost-effective
- Secure
- Simplified system power



The DeltaV™ S-series DC/DC system power supplies are modular, easy to install, and secure.

Introduction

Power—your system won't operate without it. DeltaV™ system power supplies offer you the most efficient and reliable power solution for your money.

The DeltaV S-series DC/DC power supply connects to your bulk 24 V DC power to provide power to the system electronics including the controller and associated I/O cards. This is all the power required for your DeltaV system.

Benefits

Easy to use. The DC/DC system power supplies are plug-and-play components. They fit into S-series power supply/ controller carriers that contain internal power buses to both the controller and I/O interfaces, eliminating the need for external cabling. The carrier mounts easily onto a T-type DIN rail—easy!

Flexible and cost-effective. The DC/DC system power supply accepts 24 V DC input power. The modular architecture and the power supply's load-sharing capabilities enable you to add more power or provide power redundancy to your system.

Secure. Your I/O is always accurate because the I/O subsystem and controller always receive a consistent and accurate 12 or 5 V DC power supply. The power supplies are compliant with EMC and CSA standards; they provide immediate notification of power failure; system and field power provisions are completely isolated.

Simplified system power. The system power supply delivers more current to the 12V DC I/O interface power bus and eliminates the need for injected power supplies. Now, all your controller and I/O power can be sourced from plant 24 V DC bulk power supplies.