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Power Supplies

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Emerson has a broad range of SolaHD power supplies to suit almost any application. Three tiers of DIN rail power supplies, from high reliability in the harshest of environments, to applications with extremely economical requirements. IP67-rated power supplies, conveniently mounted as a standalone device without an enclosure. Very compact power supplies and DC-to-DC converters for low wattage applications. High capacity modular power supplies for unusual custom application needs. Traditional linear power supplies for applications where modern switching design power supplies are not suitable.



SDN-D: In spite of its small size, the SDN-D high performance DIN rail power supply boasts one of the highest efficiencies available in the market today. Higher efficiency means less heat is generated, potentially extending the life of all components in the enclosure. Extensive diagnostic monitoring capabilities are possible with the optional SCM network communication module, which utilizes popular industrial network protocols to provide critical power supply data to computers, PLCs, DCSs HMI, and other devices. For applications requiring even higher reliability, combine the SDN-D with SDN redundancy modules. With its extensive capabilities, compact design, and notable global certifications, the SDN-D is the ideal solution for use in harsh environments, extreme temperatures (-40 °C to +70 °C), and hazardous locations worldwide.

SDN-C: Highest performance specifications and extensive international certifications ensure that SDN-C High Performance DIN Rail Power Supplies are suitable for the most extreme environments, including hazardous locations and off-shore applications. Wide operating temperature range and PowerBoost™ capability ensure reliable operation in the harshest industrial environments. Parallel operation, extensive LED diagnostics, and universal AC or DC input voltage simplify installation and maintenance. Available with 12 or 24 Vdc output; currents up to 40 A; with single phase AC, 3-phase AC, or DC input.

SDN-P: Providing industry leading performance at a reasonable cost, the SDN-P Core DIN Rail Power Supplies

feature sag immunity, transient suppression, power factor correction, and wide operation temperature range. Available in output currents 2.5 A to 9 A; 12, 24, and 48 Vdc outputs; with 1-phase AC or DC input.

SDP: An extension of the Core Series, the SDP Low Power DIN Rail Power Supplies fill out the mid-range with low power options. The compact, lightweight power supplies come in output voltages from 5 to 48 Vdc and power ratings up to 100 Watts.

SVL: The cost effective SVL Essential DIN Rail Power Supplies are perfect for high volume, controlled environment applications, ranging from 15 to 960 Watts in 5, 12, 24 and 48 Volt combinations.

Power Supply Redundancy

Modules: For an additional level of system reliability, our DIN Rail Redundancy Modules are used to support redundant power supply operation. The Redundancy Module continually monitors the condition of two power supplies connected to a single load. If one power supply fails, the Redundancy Module automatically changes over to the other power supply. It also provides important diagnostic information, and helps to balance the load between the two power supplies during normal operation. The Redundancy Modules have extensive international certifications required for harsh industrial environments and hazardous locations. The module works with SolaHD SDN-C, SDN-P, and most other power supplies capable of parallel operation.



SCP-X: No enclosure required! IP67-rated standalone SCP-X Extreme Environment IP67 Power Supplies deliver reliable field power to distributed and remote machine controls. Mounts directly on the machine or production line, eliminating the complexity and cost of unnecessary enclosures and excess wiring. Quick change connectors simplify connectivity to I/O devices. Class II rated, 24 Vdc output in single and dual 100 Watt models. Perfect for automotive, packaging and automated distribution applications.

SCP: The convenience of a very compact design in either DIN rail or chassis mount configuration, the SCP 30 Watt Power Supplies are available with Single, Dual and Triple output configurations.

SCD: Similar to the SCP Series, the very compact SCD 30 Watt DC-DC Converters provide DC to DC conversion in either DIN rail or chassis mounting configuration. Single, Dual and Triple output configurations.