



SolaHD Power Supplies - Choices Tailored to Every Need

SolaHD Power Supplies offer a complete line of solutions to safeguard equipment applications in production and automation. The SVL Series provides flexibility with DIN rail mounting and hazardous location certifications. Single and three-phase units cover various power outputs, while the SDN-C series excels in extreme environments with high performance and reliability.

Steiner application specialists can help you select the correct SolaHD™ Power Supply with the phase, wattage, voltage, protection, and certifications needed for your operating environment, safety specifications, and application requirements. Call 1-800-STEINER (783-4637) or fill out the form below for assistance.

SVL Series Power Supplies

SVL Series Power Supplies are perfect for high volume, controlled environment applications where essential features are the only requirement. The DIN rail mounting capability provides quicker and easier installation while allowing for design flexibility. Three-phase units in 5, 10, or 20 A are certified for Class I, Division 2 hazardous locations. Power supplies with single-phase input range from 15 to 480 Watts in 5, 12, 24 and 48 Volt combinations. Three-phase input power supplies are available with 24 VDC output from 120 to 960 Watts.

Features & Benefits

- cULus, cRUus, CE
- Universal input, single-phase and three-phase models
- Short circuit, over voltage, overload and over temperature protection
- Power factor correction
- Convection cooling
- Select models are Class I, Division 2 certified for hazardous locations
- LED to indicate DC OK and protection diagnostics
- DC OK Relay for single-phase models 120 Watt and larger

Specifications

Input Voltage, Single Phase	Nominal: 100-240 VAC. Range: 85-264 VAC
Input Voltage, Three Phase	Nominal: 3 x 400-500 VAC (3-phase); Range: 3 x 320-600 VAC (3-phase); or 2 x 360-600 VAC (2-phase)
Input Frequency	50/60 Hz
Operating Temperature	-20°C to +70°C
Output Power	Single phase: 15-480 Watts; Three phase: 120-960 Watts
Output Voltage Range	5, 12, 24, 48 VDC (Three phase: 24 VDC only)
Protection Circuit	Hiccup Mode
Diagnostic Indicator	Steady Green LED: DC OK
Mounting	DIN Rail
Warranty	Two year limited warranty

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SDN-C Series Power Supplies

High performance specifications and extensive international certifications ensure that the SDN-C is suitable for the most extreme environments, including hazardous locations and off-shore applications. Features like wide operating temperature range, power boost capability, and adjustable output voltage ensure reliable operation in the harshest industrial environments. Parallel operation, extensive LED diagnostics, and universal AC or DC input voltage simplify installation and maintenance. For added reliability, the SDN-C power supplies can be used with the SolaHD™ Redundancy modules to provide redundant power supply operation.

Features & Benefits

- Extensive international hazardous location certifications, including Class I Zone 2, ATEX, IECEx, ExEAC. Hazardous location temperature code (T-Code) rating of T4
- International off-shore certifications, including ABS and DNV-GL
- PowerBoost™ enables short duration overload capability, to start loads with high inrush current
- Dual output terminals for convenience in wiring
- Three LEDs provide extensive diagnostics. DC OK relay to provide diagnostic information to a PLC, controller, or monitoring system
- Universal AC and DC input voltages to accommodate global requirements
- Wide operating temperature range accommodates both extreme hot and extreme cold environments
- Active Power Factor Correction on most models
- Parallel operation capability standard
- Supports redundant power supply operation using optional SDN Redundancy modules

Specifications

UL Recognized Component, Haz. Loc.	Class I, Division 2, Groups A, B, C, D; Class I, Zone 2, AEx nA nC IIC, Ex nA nC IIC
ATEX Directive	Ex II 3 G, Ex ec nC IIC Gc
IECEx Certified	Ex ec nC IIC Gc
Hertz	1-Phase: 43 - 67 Hz; 3-Phase: 50/60 Hz
Input Voltage Range	1-Phase: 100-240 Vac; 3-Phase: 380-480 Vac
Operating Temperature	-40°C to +70°C
Output Power	120-960 W
Output Voltage Range	12 V (12-15 Vdc Adj.) or 24 V (23.5-28.5 Vdc Adj.)
Overload Capability	> 30.5 but < 33 Vdc, auto recovery
Status Indicator	3 status LEDs (Input, Output, Alarm)
Number of Phases	Single and Three
Mounting	DIN TS35/7.5 or TS35/15

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For more info about SolaHD™ SVL & SDN Series Power Supplies Call **1-800-STEINER** (783-4637) to contact a Steiner Application Specialist or fill out the form below for assistance.

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