



# SolaHD™ SCP-X Series Standalone IP67 Power Supplies

## Mountable anywhere and engineered to withstand extreme environments.

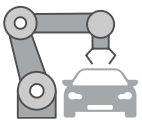
More and more facilities are turning toward “distributed field power” for machine device control and communication. This has created the need for powerful and efficient field power supplies that can stand up to the heat, water, dust, and other performance-robbing conditions of industrial environments. Typical power supplies have addressed these issues by being mounted inside large and expensive enclosures that are located away from the production equipment, resulting in expensive electrical runs and the need for a larger enclosure.

The SolaHD SCP-X Series Standalone IP67 Power Supplies by Emerson provide versatility and cost efficiency, delivering distributed and remote field power to machine controls. Rated IP66/67, they are able to mount directly on the machine or production line, eliminating the complexity and cost of unnecessary enclosures and excess wiring. The corrosion-resistant housing withstands dust and water while effectively dissipating heat, allowing for full power operation in ambient temperatures from -40 °C to +60 °C (-40 °F to +140 °F). The unit’s passive convection cooling efficiencies are so high, only one inch of free space is required on the sides and front of the unit. Quick change connectors simplify connectivity to distributed I/O devices on industrial machinery.

The SolaHD™ SCP-X Series Standalone IP67 Power Supplies by Emerson is available in a variety of configurations, meeting the diverse needs of automotive manufacturing, conveyor systems, and equipment where 24 Vdc power is required for geographically dispersed devices.

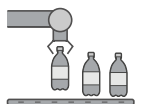
## Tested Solutions to Solve Your Toughest Challenges

### Automotive Manufacturing



- Manufacturing vehicles — and their 30,000+ parts — requires complex automation machinery and equipment, that depends on the availability of constant power.
- Provides clean power and safeguard equipment from power anomalies such as fluctuation.

### Material Handling



- Global players in the food and beverage industries require battery back-up for microprocessor-based and/or computer based control systems.
- Improved mean time between failure (MTBF) reduces downtime and maintenance for a more cost effective and reliable machine or production line.

### Arc Flash Hazard



- With traditional enclosure mounted power supplies, input power must be disconnected from the system prior to opening the enclosure for troubleshooting or maintenance.
- The SCP-X mounted remotely and directly powering important loads eliminates this safety hazard and need for PPE, saving time, money and improving safety.

**SOLAHD™**  
For product information:  
[www.solahd.com](http://www.solahd.com)  
1.800.377.4384



**CONSIDER IT SOLVED™**

## Power versatility for your application needs.

All SolaHD IP67 SCP-X power supplies by Emerson are able to mounted in any orientation without limitation, feature a diagnostic status LED, and universal AC and DC input voltages. Available in a variety of configurations:

The **single and dual 100 Watt models** operate at universal 100-240 Vac input, 24 Vdc output and 3.8 Amps. These models are limited to 100 Watts of power per circuit to meet Class 2 requirements for power limiting with no need to split supply circuits or run additional cables. A control power version is available for applications that require a grounded output, or an isolated power version that provides isolation to prevent signal interference due to ground looping. Isolated output models are ideal for DeviceNet applications that depend on advanced data exchange on a Controller Area Network (CAN).

For higher inrush current applications that require a step-up converter, a stand-alone **10 Amp model** is available with a 15 Amp Power Boost, extending the system by providing up to 150% of the nominal current. The DC OK Relay contact provides diagnostic information to a PLC, DCS, IPC or another controller.

### The SolaHD Difference



### SELECTION TABLE

Catalog Number	Output Current	Output Voltage	Output Power	Input Connection	DC OK Connection	Output Connection
SCP 100S24X-CP1	3.8 Amp single connector	24 Vdc	100 W	3 Pin IP67 7/8" receptacle, internal thread	—	4 Pin IP67 7/8" plug, external threads
SCP 100S24X-DVN1			2 x 100 W			
SCP 102D24X-C02			3.8 Amp per pair (4 connectors 7.6 A total)			
SCP 102D24X-D02			240 W		4 Pin, IP67 A-Code M12 plug, internal thread	5 Pin IP67 L-Code M12, internal threads
SCP 240S24X-CP1	10 Amp (15 Amp for 4 sec) single connector					