



# SolaHD™ 10 and 20 Amp SDN-D Power Supplies

## Reliable power for demanding conditions.

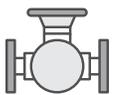
Power supplies with poor efficiency generate too much heat, reducing the life of the components inside the panel. Many of these solutions are large, taking up excessive space inside the panel and on the DIN rail. Most DIN rail power supplies provide the end user with little to no information about operating life or potential system problems. Additionally, power supplies often have no redundancy options, and limited certifications.

You need a reliable power supply that will maximize machine availability and minimize unplanned disruptions. A power supply with a compact footprint, so you can reduce overall panel size, or put more components into an existing panel space. A product that delivers stable power and higher efficiency, offers network communications for diagnostics, includes notable certifications, and generates less heat.

That's why the SolaHD SDN-D DIN Rail Series Power Supplies by Emerson are the ideal choice for those who need reliable power, higher efficiencies, and extensive hazardous or offshore location certifications — helping customers improve their operations regardless of where it's put to use.

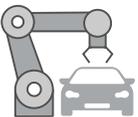
## Tested Solutions to Solve Your Toughest Challenges

### Oil and Gas



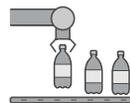
- The presence of flammable gases and vapors are expected in the day to day operations of refineries and rigs.
- SolaHD SDN-D DIN Rail Series offers extensive ordinary, hazardous and offshore global certifications in a reliable product to ensure safe operation in refineries and rigs around the world.

### Automotive



- Manufacturing vehicles — and their 30,000+ parts — requires complex automation machinery and equipment that depend on the availability of reliable power.
- SolaHD SDN-D DIN Rail Series offers automotive manufacturing facilities a reliable product that will maximize machine availability while minimizing unplanned disruptions.

### Food and Beverage



- New levels of productivity and throughput are required to keep pace with global players in the food and beverage industries.
- Extremely reliable and efficient, the SolaHD SDN-D DIN Rail Series Power Supplies overcome these challenges with their extensive capabilities in a small footprint.

### Petrochemical and Chemical



- As plants increase in size and scale, chemical and petrochemical facilities must have reliable power supplies for batch applications or continuous processes.
- SolaHD SDN-D DIN Rail Series offers chemical and petrochemical facilities a reliable product with the certifications required to run a safe operation.

**SOLAHD™**

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



**CONSIDER IT SOLVED™**

## Optimal reliability for harsh environments, extreme temperatures, and hazardous locations.

The SolaHD SDN-D DIN Rail Series Power Supplies by Emerson are available in 10 and 20 Amp versions with 24 Vdc output. This solution offers extensive hazardous location certifications, a wide operating temperature range, and drop-in compatibility with existing power supplies. Other industry leading benefits and features of this reliable power supply series include:

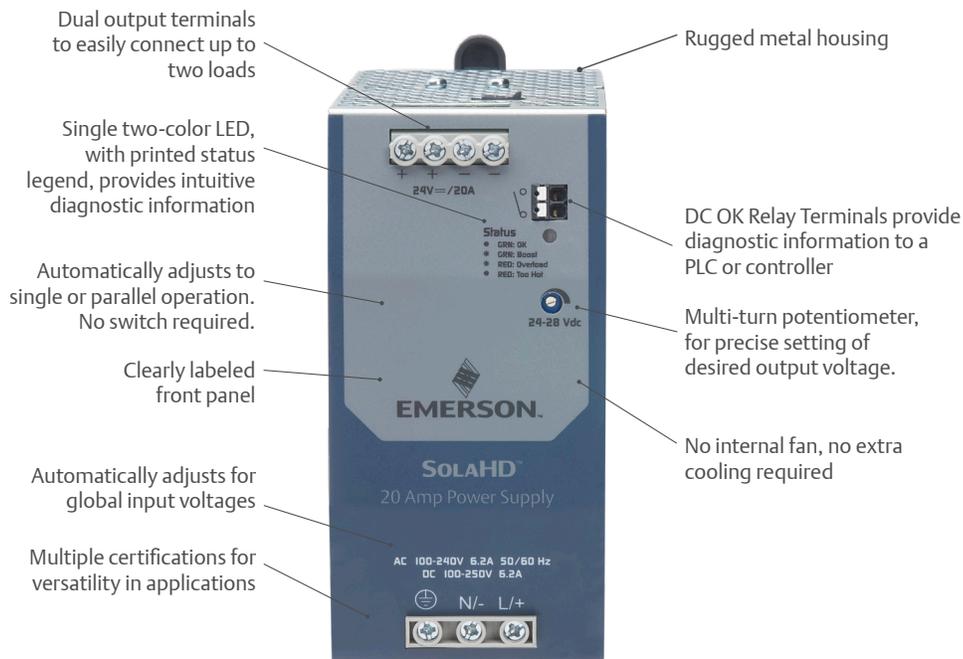
**One of the highest efficiencies in the marketplace.** With less heat generated, enclosures stay cooler. Less impact on temperature rise inside the enclosure is critical in environments that already have high ambient temperatures. Less heat generated means less need for cooling in the panel and the ability to avoid derating.

**A smaller footprint and a more compact design** so they take up less panel space, allowing enclosures to be smaller and providing space for other system components within the enclosure.

**Optional redundancy modules** are a key component to providing the highest reliability in power supply system. They allow two power supplies to power the same load. The result is increased uptime in the event of unit failure for one of the two units.

**Available soon** — **Optional network communications** for increased uptime with extensive diagnostic and maintenance capabilities — Ask your local sales representative for details.

### The SolaHD Difference



Up to 31% narrower than SDN-C models