

## SDU DC - B SERIES DIN RAIL UPS

The SolaHD SDU DC - B DIN Rail UPS is an advanced 24 Vdc uninterruptible power system that combines an industry leading design with a wide operational temperature range and unique installation options. The SDU DC - B UPS is a powerful, microprocessor controlled UPS that provides protection from power interruptions. With an input voltage range of 22.1 Vdc to 28.6 Vdc, the DC - B UPS is the ideal power back-up solution for your critical connected loads.

### APPLICATIONS





- Industrial/Machine Control
- Automation Process Control
- Computer-based Control Systems
- Conveying Equipment
- Material Handling
- Packaging Machines
- Semiconductor fabrication equipment
- DeviceNet™
- Amusement Park Equipment
- Pharmaceutical Applications
- Control Rooms

### FEATURES

- Modular, rugged industrial grade design
- Microprocessor based controls
- Automatic self-test feature for UPS function and battery management check
- Power module wide operation temperature range (-15 °C to +50 °C)
- Flexible batteries back-up expansion capabilities
- Overload protection in normal and battery modes
- User replaceable batteries
- IP20 rated input and output screw terminals
- No internal fan, no extra cooling required
- Sturdy, reliable all metal DIN rail mounting connector
- LED status indicators

- Universal dry contact relay terminals provide remote signaling
- Monitoring, diagnostics, and remote turn-on and shut-off capabilities
- Two year limited warranty

### CERTIFICATIONS AND COMPLIANCES

-  **UL** <sup>us</sup> Listed, Electrical Equipment for Measurement, Control and Laboratory Use; Control Equipment, E61379 — UL/CSA 61010-1, UL/CSA 61010-2-201
-  **UL** <sup>us</sup> UL Recognized Component, Audio/video, Information and Communication Technology Equipment, E137632 — UL/CSA 62368-1, UL/CSA 60950-1
-  **CE** Low Voltage Directive/ **UKCA** Electrical Equipment (Safety) Regulations 2016 — IEC/EN60950-1, IEC/EN 62368-1, IEC/EN 61010-1, IEC/EN 61010-2-201

### RELATED PRODUCTS

- SDN-D Series DIN Rail Power Supplies
- STV 25K Series Surge Protective Devices

**SOLAHD**

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



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SELECTION TABLE

Catalog Number	Description	Approx. Ship Weight - lbs (kg)
<b>UPS</b>		
<b>SDU 1024B</b>	240 VA, 24 V/10 A DIN Rail DC UPS power module, battery module is required	0.9 (0.41)
<b>SDU 2024B</b>	480 VA, 24 V/20 A DIN Rail DC UPS power module, battery module is required	0.9 (0.41)
<b>Battery</b>		
<b>SDU 24BATB</b>	24 V DIN Rail/Panel Mount Battery Module (cable included)	11.5 (5.2)
<b>SDU 24BATEM</b>	24 V External Mount Battery Module (cable included)	16.0 (7.11)
<b>Accessories</b>		
<b>SDU 24EXTBC6B</b>	Optional 6 ft. Battery Module cable to 24 V DC UPS	8.0 (220)
<b>SDU PMBRK</b>	Optional chassis mount brackets to secure the DC UPS to wall, back of panel, or enclosure	0.5 (0.22)

There are three individual hardware products when putting an SDU DC - B UPS system into operation:

1. 24 Vdc Power Supply (Recommended SolaHD SDN Series)
2. 24 Vdc SDU DC - B UPS Power Module
3. 24 Vdc SDU DC - B UPS Battery Module; or  
24 Vdc SDU DC - B UPS External Battery Module

There are two models of the SDU DC - B UPS Power Module:

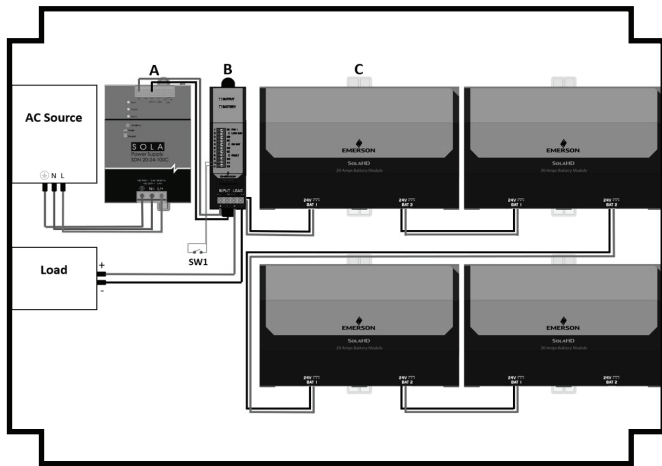
1. SDU 10-24B, 24 Vdc/10 Amp (battery modules are required)
2. SDU 20-24B, 24 Vdc/20amp (battery modules are required)

There are two models \* of the SDU DC - B UPS Battery Modules:

1. SDU 24-BATB, DIN Rail/Panel mount for installation in ventilated enclosure, up to 4 battery modules can be connected to the SDU DC - B UPS.
2. SDU 24-BATEM, Panel mount, alternate battery module for external installation in a non-hazardous environment of non-ventilated enclosures, only 1 battery module can be connected to the SDU DC - B UPS.

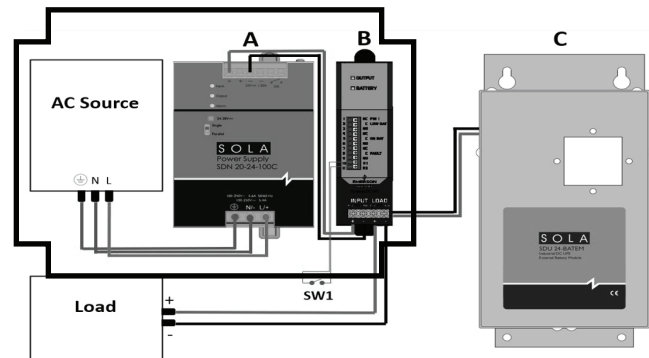
\* Cannot use a combination of both models of the battery modules, only one model of the battery module can be connected to the SDU DC - B UPS.

DIN RAIL MOUNTED BATTERY OPTION



- A) AC/DC Power Supply
- B) Control Module: SDU 10-24B or SDU 20-24B
- C) Battery Module: SDU 24-BATB

EXTERNAL BATTERY OPTION



- A) AC/DC Power Supply
- B) Control Module: SDU 10-24B or SDU 20-24B
- C) Battery Module: SDU 24-BATEM

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