

SDU AC -A Series, DIN Rail UPS

The SolaHD SDU AC - A Series DIN Rail UPS combines an industry leading compact design with a wide operation temperature range, enhanced communication and unique installation options. The SDU Series provides economical protection from damaging impulses and power interruptions. These units include easy to wire screw terminations for critical devices needing battery back up such as computer based control systems.

Applications

- Programmable Logic Controllers
- Factory Automation
- Robotics
- Conveying Equipment
- Computer based Control Systems

Features

- Lightweight, compact industrial design
- Communications port for optional Industrial Ethernet protocols or discrete communication card
- Wide operation temperature range (0°C to 50°C)
- Cold start capability
- Software and cable included for easy installation
- Simulated sinewave output
- USB communication port
- Remote turn-on and shutdown capabilities
- Two year limited warranty
- Panel/wall mounting brackets (optional)

Certifications and Compliances

- **CE**
 - Low Voltage Directive: EN62040-1
 - EMC Directive: EN62040-2

Selection Table

Catalog Number	Capacity (VA/W)	Volts, Frequency In/Out	Typical Back-Up Time (minutes) At full load/half load.	Input/Output Connections	Approx. Ship Weight – lbs (kg)
SDU 500A	500/300	120 Vac, 50/60 Hz	4/18	IP20 touch proof, screw terminals. Wire range: 10 ~ 18 AWG.	10.6 (4.8)
SDU 850A	850/510		2/10		11.5 (5.2)
SDU 500A-5	500/300	230 Vac, 50/60 Hz	4/18		10.6 (4.8)
SDU 850A-5	850/510		2/10		11.5 (5.2)

Note: Run times in this table are approximate. They are based upon new, fully charged standard battery modules at a temperature of 25°C (77°F) with 100% resistive UPS loading. Run times listed above can vary by +/-5% due to manufacturing variances of the individual batteries



- **UL** UL Recognized Component, UPS Equipment, E179213
 - UL 1778 5th Ed., CSA C22.2 No. 107.3
 - Suitable for UL 508 at full load output (no derating) and Ind. Control Equipment Applications Overvoltage Cat III, Pollution Degree III
- **UL** UL Recognized Component, Hazardous Locations E491259
 - ANSI ISA 12.12.01/CSA 213
 - Class I, Division 2, Groups A, B, C, D, T3
- **ODVA** Compliant
 - EtherNet/IP™ SDUENETIPCARD has been tested and approved for conformance by the ODVA. More information about EtherNet/IP™ and the ODVA can be obtained from the following website: www.odva.org.
- **RoHS** Compliant

Related Products

- Portable MCR Power Conditioners
- STV Surge Protective Devices
- SDN DIN Rail Power Supplies
- STFV Plus Active Tracking® Filters

Comm Card Accessories



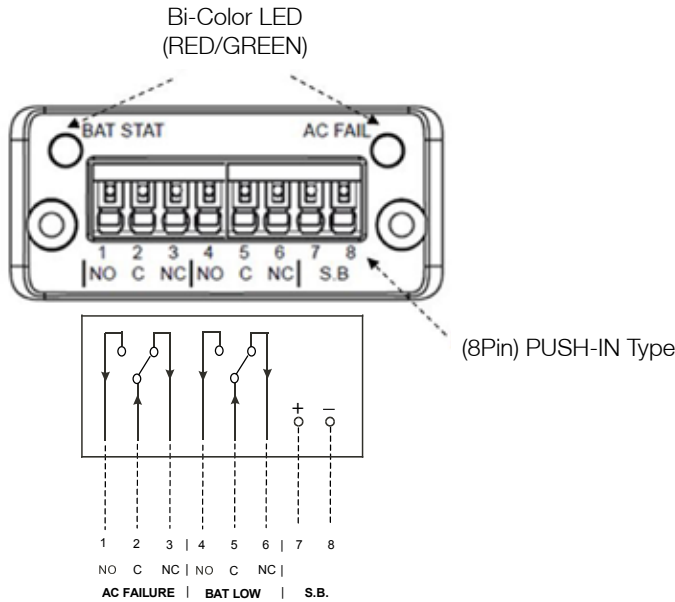
Active - (Industrial Ethernet)



Passive

Catalog Number	Description	Approx. Ship Weight – oz. (g)
Active - (Industrial Ethernet)		
SDUENETPCARD	2 Port EtherNet/IP™ COMM CARD	1.0 (28.4)
SDUECATCARD	2 Port EtherCAT COMM CARD	1.0 (28.4)
SDUMBUSCARD	2 Port Modbus® - TCP COMM CARD	1.0 (28.4)
SDUPNETCARD	2 Port Profinet Industrial Protocol COMM CARD	1.0 (28.4)
Passive		
SDUCFRELAYCARD	SDU CF Dry Contact I/O RELAY CARD	1.0 (28.4)

SDU CF Relay Card Connection Diagram



SDU Accessories

Catalog Number	Description	Approx. Ship Weight – oz. (g)
SDU-PMBRK	Mounting brackets to secure UPS to wall, back of panel or enclosure.	16.0 (454.0)
SDUEDC	Enhanced DIN Clip to secure UPS to DIN rail	1.6 (45.3)