

AC Switched Power Distribution Unit

AC SMARTStart® - Advanced Remote Control and Monitoring with Intelligent Power Distribution

The AC SMARTStart® portfolio offers intelligent switched and sequenced Power Distribution Units (PDUs). It also provides for local and remote control (Telnet, SNMP, or Web) to outlet groups. These units monitor input line voltage, total load current, and line frequency. Each PDU has circuit protection and power-on current limits. Optional features include alarm sensors; security sensors; limit switches; and remote emergency power off (EPO).

The AC SMARTStart® is an AC power distribution unit designed to control eight or sixteen AC loads and monitor vital parameters. This product line comes in a variety of configurations, including total load capacity ranging from 16 to 30 Amps. In addition, we offer output configurations that uses crew clamp terminal blocks, in lieu of IEC or NEMA connectors, for industrial applications.

All models have the ability to power-on or power-off any or all loads in any sequence over a wide range of time intervals. The PDU automatically sequences each output. This significantly reduces the total in-rush current and limits the possibility of equipment damage due to the combined turn-on transient of several loads.

The sequence order and delay is user defined at setup. A circuit breaker at the AC input provides overall protection. To prevent the circuit breaker from tripping during power up, the PDU features a power-on current limit. The AC SMARTStart® AC Switched PDU is also capable of monitoring input line voltage and total load current, as well as line frequency.

Operation/control is accomplished either manually, using controls on the front panel of the unit, or remotely, using a computing device that utilizes EIA RS-232 and RS-485/422 communications such as a laptop computer, desktop computer, or other personal electronic device. Two user programmable external contacts can be configured to alert the user of under-voltage, over-current, or over-temperature conditions using the dry contact closure. These contacts allow remote operation and control from Web browser or Telnet interface.



Features & Benefits

- Remote operation and control capabilities via Telnet or Web interface
- Power control capability to groups of outlets
- Monitors input line voltage, total load current, line frequency, and remote external temperature (with optional temperature sensor)
- Two isolated contact inputs can be used with alarm sensors, security sensors, limit switches, and/or remote stop
- User ability to tailor the sequence and time delay
- Emergency Power Off (EPO) configuration available
- Includes optional front or center mounting brackets
- Log into PDU via IP address to see the status of supply voltage, total current draw, outlet status indicators, and more
- Daisy chain multiple units via RS232
- Complies to FCC, CE, UL, and TÜV requirements



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Technical Specifications

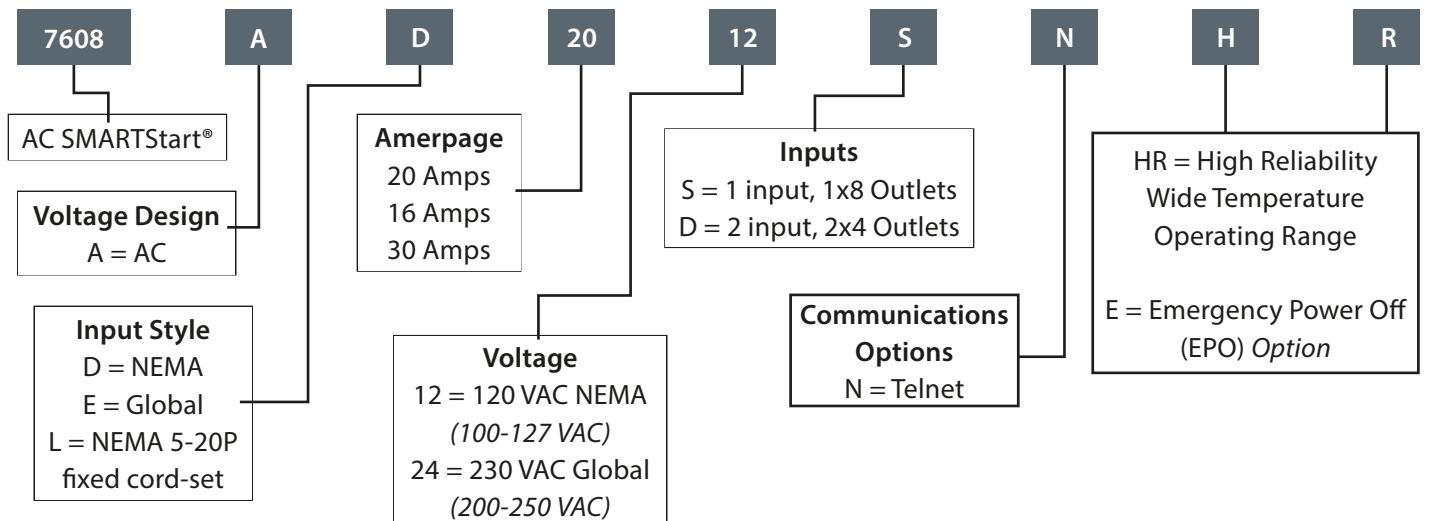
Part Number	Input Voltage	Max Current	Input Connection	Inputs	Output Connections	Communication
7608AD2012S	120 VAC / 47-63Hz	20A	IEC 20 Inlet	Single Input	8 x NEMA 5-20R	Serial RS232
7608AL2012S	120 VAC / 47-63Hz	20A	NEMA 5-20P w/ 10' cord	Single Input	8 x NEMA 5-20R	
7608AE1624S	230 VAC / 47-63Hz	16A	IEC 20 Inlet	Single Input	8 x IEC C13	
7608AD2012D	120 VAC / 47-63Hz	20A	IEC 20 Inlet	Dual Input*	8 x NEMA 5-20R	
7608AE1624D	230 VAC / 47-63Hz	16A	IEC 20 Inlet	Dual Input*	8 x IEC C13	
7608AD3012S	120 VAC / 47-63Hz	30A	NEMA L5-30P w/ 10' cord	Single Input	8 x NEMA 5-15R	
7608AE3024S	230 VAC / 47-63Hz	30A	IEC 309 30 Amp w/ 10' cord	Single Input	8 x IEC C13	Serial, Web, & Telnet
7608AD2012SN	120 VAC / 47-63Hz	20A	IEC 20 Inlet	Single Input	8 x NEMA 5-20R	
7608AL2012SN	120 VAC / 47-63Hz	20A	NEMA 5-20P w/ 10' cord	Single Input	8 x NEMA 5-20R	
7608AE1624SN	230 VAC / 47-63Hz	16A	IEC 20 Inlet	Single Input	8 x IEC C13	
7608AD2012DN	120 VAC / 47-63Hz	20A	IEC 20 Inlet	Dual Input*	8 x NEMA 5-20R	
7608AE1624DN	230 VAC / 47-63Hz	16A	IEC 20 Inlet	Dual Input*	8 x IEC C13	
7608AD3012SN	120 VAC / 47-63Hz	30A	NEMA L5-30P w/ 10' cord	Single Input	8 x NEMA 5-15R	
7608AE3024SN	230 VAC / 47-63Hz	30A	IEC 309 30 Amp w/ 10' cord	Single Input	8 x IEC C13	
7608AD2024DN-01	230 VAC / 47-63Hz	20A	NEMA L6-20P w/ 10' cord	Dual Input*	4 x L6-15R and 4 x L6-20R	
7608AD2024DN-02	230 VAC / 47-63Hz	20A	NEMA L6-20P w/ 10' cord	Dual Input*	8 x 6-15R	

(Form factor and all parameters can be modified to suit end application)

* 1U Dual Input outlets hold 4 outlets per input

*Note each of our designs can be readily reconfigured to meet customer specific use cases

Part Configuration



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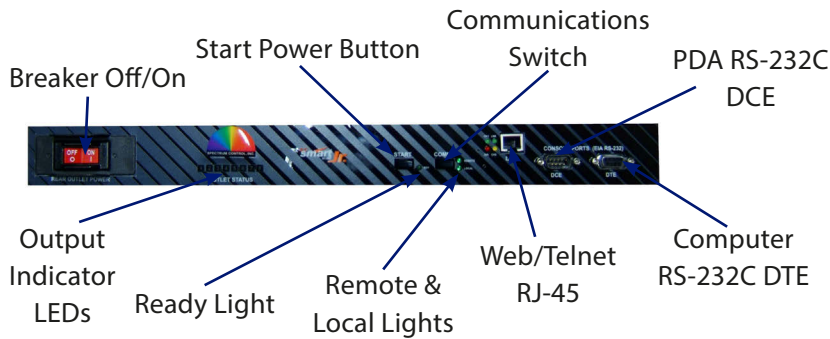
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Common Applications

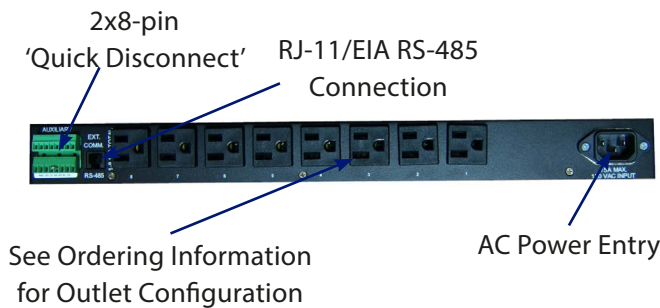
- Financial Institutions
- Government & Military IT Infrastructures
- Data Centers
- Industrial IT Settings
- Internet Service Providers
- Transportation Logistics Centers
- Rail / Public Transportation / Highway Automation & Traffic Management Centers
- Medical Institutions
- Communication Stations
- Industrial Manufacturing & Test Equipment
- Solar & Wind Turbine Powered Infrastructures
- Scientific Instrumentation
- Industrial ATE Cabinets
- Wireless Messaging Platforms

Mechanical Dimensions

Front View



Back View



Top View



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Web/Telnet/SNMP Option:

- Global access to reboot your servers or network equipment
- Enhanced Web-based device set-up and control management
- Auto Ping feature to test and optionally power cycle a connected host
- Email alerts for designated recipients
- Optional sensors can be incorporated and included in alarm email alerts with user defined messages
- SNMP MIB for standards-based monitoring and control of the PDU and its associated operating features
- Enables lock out of outlets so that individuals do not plug in unknown or unauthorized equipment
- Identify and set up parameters such as: ping for active status, high voltage limit, low voltage limit, peak current draw on PDU, temperature (if optional temperature sensor is attached to the auxiliary connector).

