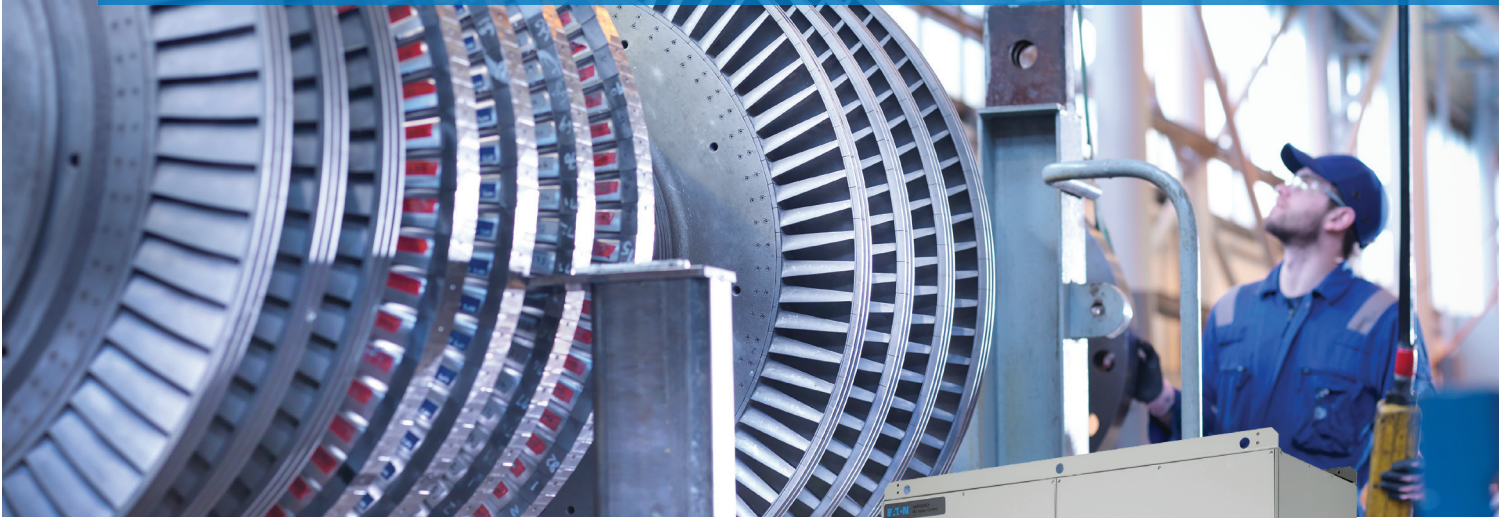


Ampgard RVSS

Reduced-voltage solid-state soft starter



Take control of your motors

Ampgard® RVSS allows users to fine-tune starting parameters in order to minimize mechanical shock, current spikes and voltage drops across a wide range of applications. With an innovative pre-start system check and UL® 347 medium-duty rating, the RVSS seamlessly integrates into Eaton's medium-voltage control, SC9000™ drives and switchgear lineups.



**Ampgard RVSS 400 A starters
with EMR-4000 relays**

Complete suite of programmable settings

- Adjustable kick-start for breakaway torque
- Adjustable voltage ramp and current limit
- Pump deceleration/soft stop
- Exclusive voltage sag limit control

Eaton exclusive pre-start system check provides protection for personnel and equipment. Before each start, Eaton's RVSS detects a variety of fault conditions including:

- Load side phase-to-ground short
- Load side phase-to-phase short
- Excessive load capacitance
- Open-phase detection



EATON

Powering Business Worldwide

Features

- Medium-duty rated per UL 347 (three 30-second starts per hour) at 4160 V
- Eaton exclusive pre-start system check
- Roll-in/roll-out SCR truck
- Independent power poles
- Custom programmable protection and ramp features
- Cybersecure interface
- Power Xpert® software for monitoring and control
- Fully independent bypass contactor
- CSA® certified
- Available in NEMA® 1, 12, 3R and arc-resistant enclosures certified to IEEE® Std. C.37.20.7-2017
- Designed, manufactured and tested in an ISO® 9001 and ISO 14001 certified facility



400 A Ampgard RVSS

Specifications

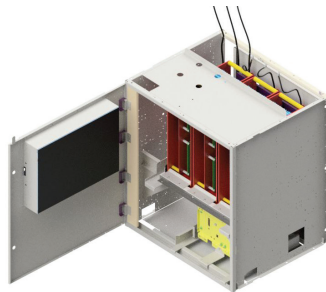
Description	Specification
Load type	Compatible with three-phase AC induction or synchronous motors, system voltage 2400 V to 7200 V
Maximum ratings	360 A medium-duty at 4160 V for 400 A starters 720 A medium-duty at 4160 V for 800 A starters
SCR peak inverse voltage	13,000 V for 4160 V systems 26,000 V for 7200 V systems
Unit overload capacity	500%—60 seconds 600%—30 seconds 1 Cycle: up to 14 x FLA (internally protected by the programmable short circuit)
Frequency	50 Hz or 60 Hz, +/- 2 Hz hardware selectable
Programmable outputs	Run indication, speed indication, dual ramp adjustment, deceleration adjustment, jog and kick-start are all fully programmable
Dimensions in inches	400 A: 36 W x 30 D x 92 H 800 A: 72 W x 30 D x 92 H



Withdrawable SCR truck with individual power poles for ease of maintenance

RVSS retrofit kits available

Looking to convert your Ampgard MV4S to the latest RVSS design? Complete retrofit kits are available including SCR truck, bypass contactor and mounting provisions. Contact our trained Eaton service specialists for on-site retrofits and additional support.



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