

Eaton Metered, Service Entrance Rated Automatic Transfer Switch

Features/benefits

- Combined functionality in a single enclosure
- Saves installation time and cost
- Service entranced approved for Canada
- 100 and 200A Models
- Overhead or Underground service entrance
- Type 3R indoor/outdoor enclosure
- Accessory 15A Single Pole Circuit Breaker

Applications

- New or retrofit residential standby generator installations
- Farm or rural properties

Everything in one box

Traditionally, retrofitting a home to permit the connection of a standby generator has meant considerable rework to the home's electrical infrastructure. Often times this leads to the addition of multiple electrical enclosures and a network of conduit and cabling tying them together. The added complication of multiple enclosures increases the labour costs on installations. It also leaves the home owner with either a cluttered utility room or a less than attractive exterior installation. To solve some of these issues Eaton has developed its new metered, service entrance rated automatic transfer switch (ATS).

Combined in a single enclosure and factory wired is a 200A meter socket, service entrance rated circuit breaker disconnect, and an ATS. The single enclosure assembly saves the installing contractor time and money while leaving the home owner with a more visually appealing installation on the outside of their home.

Factory wired

A traditional service entrance rated assembly would require the installation of a separately mounted meter socket, enclosed circuit breaker or fusible disconnect switch, and an ATS. Eaton provides all three devices in the one enclosure and factory wires them to carry the utility supply from the meter socket through to the ATS contactor assembly. The only power wiring the installer need perform is the connection of the service cables to the meter socket, and the generator and load



EGS200AMSE front view

connections to the ATS contactor assembly. Additionally a two wire control connection to initiate the start of the generator must be made to the factory installed terminal blocks.

3R rated

Type 3R enclosure is constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt); to provide a degree of protection with respect to harmful effects on the equipment due to the

ingress of water (rain, sleet, snow); and that will be undamaged by the external formation of ice on the enclosure.

Overhead/Underground Entrance

Two openings on the top of the enclosure provide for overhead service entrance hub mounting. Knockouts in the bottom of the enclosure and matching left and right hand wireways provide for bottom service entrance cabling. The unused wireway(s) can be removed providing additional space in the enclosure. Blanking plates are included to cover the openings left behind by the removal of either wireway.



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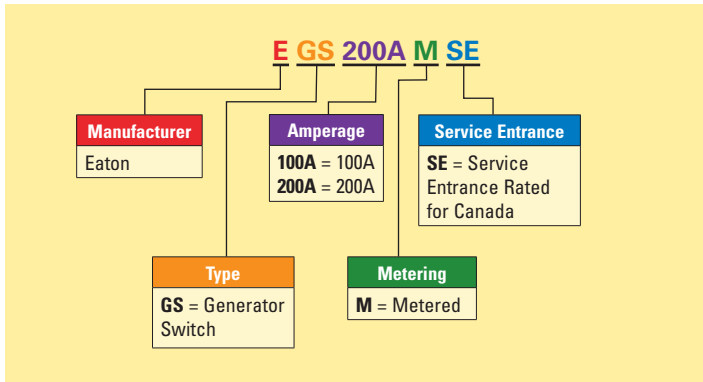
Product specifications

Metered, Service Entrance Rated ATS

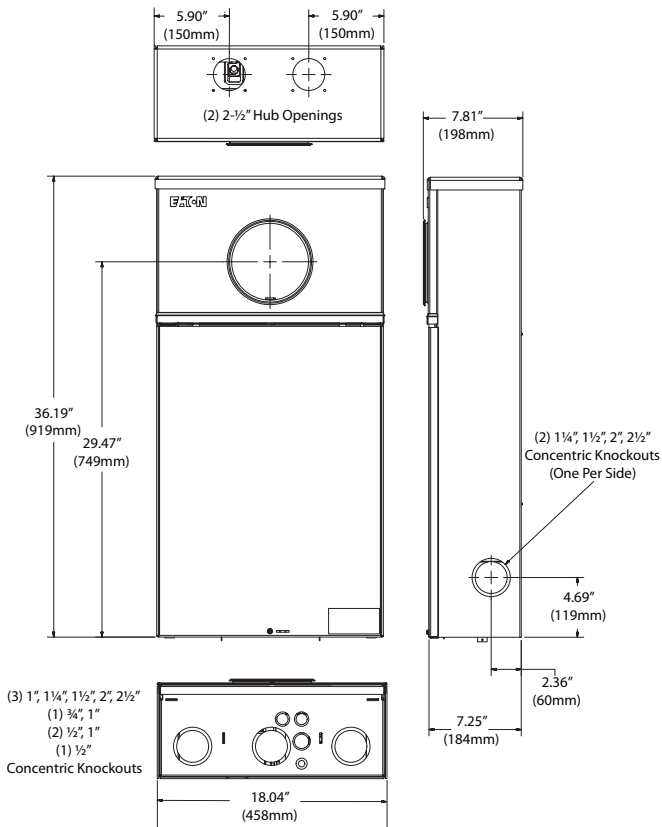
Enclosure Rating	Type 3R
Enclosure operating temperature	-20°C to +40°C (-4°F to +104°F)
Voltage	120/240 VAC Single Phase, 60Hz
Withstand Rating	10,000 Symmetrical Amperes at 240VAC Maximum
Generator Bonding	Must be used with an unbonded generator (This unit does not have neutral switching capability)
Generator Start Signal Application	Designed to work with a generator that accepts a two wire start signal. (Not designed to work with utility sense style generator start arrangements)
Wiring	Meter Socket Line Lug (1) #6 AWG-250MCM Cable Meter Socket Neutral Lug (1) #6 AWG-250MCM Cable Contactor Lug 100A (1) #14 - 1/0 AWG Cable Contactor Lug 200A (1) #4 - 300MCM Cable Neutral Bar (1) #6 AWG - 300MCM Cable Ground Bar (1) #6 - 2/0 AWG Cable Generator Start Terminal (1) #28 - 12 AWG Cable Accessory Circuit Breaker (1) #14 - 1/0 AWG Cable
Certifications	CSA
Latch	Padlockable Door Hasp Included
Additional features	1-pole 15A Generator accessory circuit breaker Manual override lever included Utility sealing tabs on bottom entry wireways Twin 2-1/2" Top Entry Hub Openings Contactor auxiliary contacts Blanking plates included for wireway removal

Note: Specifications are subject to change without notice and represent the maximum capabilities of the product with all options installed. This is not a complete feature list. Features and functionality may vary depending on selected options, firmware version and product model. Please refer to the technical data sheet and User Manual for detailed specifications.

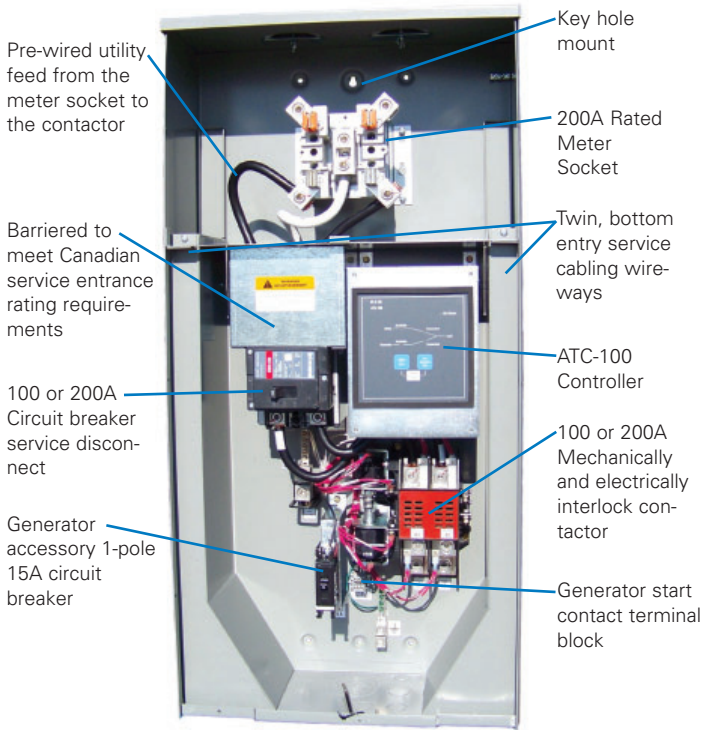
Metered, Service Entrance Rated ATS ordering information



Contact your local Eaton authorized distributor for more information.



Metered, Service Entrance Rated ATS dimensions



EGS200AMSE front view, covers removed

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