

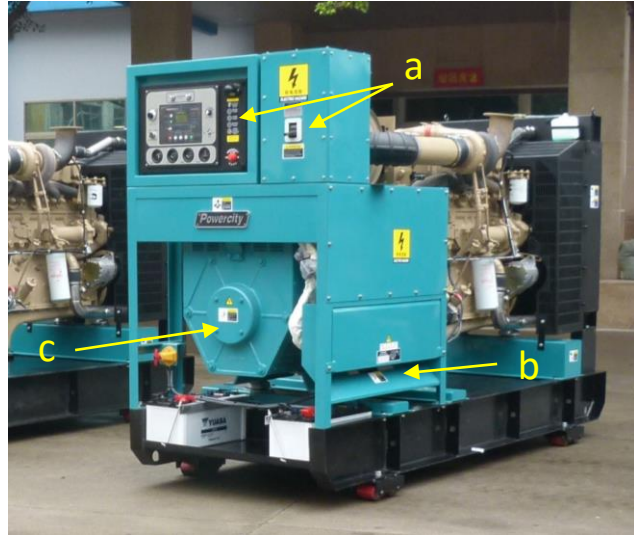


Design Feature: Control Panel Mount

Control panel of Powercity generator sets comply with **EGSA 101S Standards paragraph 7.2.1** which specifies that instrumentation must be isolated from engine generator set vibration.

Control panel, circuit breaker and output terminal are separately mounted away from the alternator. If these parts are fixed on the alternator they will suffer from stress caused by the vibration of the alternator during its operation.

Output terminal for connecting feeders is provided. This eliminates connecting feeders directly to the circuit breaker. If feeders are to be connected to the circuit breaker frequent disconnect and reconnect will damage the circuit breaker terminals.



Powercity generator sets location of control panel: (a) control panel and circuit breaker (b) output terminal box, (c) alternator

Other brands directly mount their control panel to the alternator. This does not isolate the control panel from vibration produced by the alternator. In the long run control wires inside the control panel and feeder cable connected to its circuit breaker will eventually lose their connections that could lead into failure, fire or electrical shock.

Other brand which is not compliant with EGSA 101S Standards –

