

GENERATOR REQUIREMENTS for all RedEarth Systems

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NOTE: Inverter-generators are recommended for use with RedEarth systems due to their better power quality. If voltage, frequency, or current waveforms of the generator are not of a high enough quality, the inverter may not be able to synchronise to the generator. This can result in a failure to charge the battery or supply backup power to the load.

Installers should always ensure correct operation of the generator including battery charging during installation.

Supported generators should meet or exceed the following specifications:

Generator waveform THD	< 10%.
Generator Vrms range	180 ~ 270Vac
Generator voltage crest factor (Vpeak/Vrms)	< 1.6
Generator peak voltage	<380V
Frequency range	45Hz ~ 63Hz
Frequency slew rate	<0.3Hz/sec

For further information contact RedEarth Technical Support: 1800 733 637