



(Model A Shown)

ECM's Ripple Generator Model 2550 is designed to go between a DC power supply and a powered device. The Ripple Generator modifies the supply line voltage by adding voltage waveforms of programmable type, magnitude, and frequency. By adding waveforms to the line voltage, you can study the sensitivity of your powered devices (e.g. power electronics, motor) *and* power supply (e.g. battery) to supply line noise. Unexpected behaviors of powered devices (e.g. inverter voltage regulation drift) and power supplies (e.g. battery impedance changes) have been observed as a result of power line ripple.

### Specifications

<b>Maximum Input Voltage</b>	500 VDC
<b>Maximum Current</b>	40 A RMS
<b>Programmable Voltage Added*</b>	0 to 50 V or one-half of input voltage (peak-to-peak)
<b>Programmable Waveform</b>	Sinusoidal (others in development)
<b>Programmable Frequency</b>	1KHz to 25 KHz (Model A), 100Hz to 25KHz (Model B)
<b>Programmable Via</b>	Front Panel, CAN (CANopen), RS232
<b>Dimensions</b>	19" rackmount, 3 ¾" tall, 20 lbm (Model A) 19" rackmount, 5 ¾" tall, 23 lbm (Model B)
<b>Power</b>	24 VDC, 4 A to power control electronics

\* This voltage is added onto the power supply voltage, which itself can be as high as 500V.



(Model A Shown)

## Test Immunity of Powered Devices and Batteries to Voltage Ripple (500V, 40A max.)

