# BSPD Test Current Calculations

Current setpoint based on peak pack voltage of 172

5 kw of power draw at nominal voltage corresponds to 29 A as per the following equation:

There are 16 test windings around the current sensor, therefore an injected current of approximately 1.8 A will be sufficient to simulate high voltage current draw and trip the BSPD under the appropriate conditions.

Where n is the number of windings around the current sensor.