

BATTERY/LOAD CEMF DEVICE

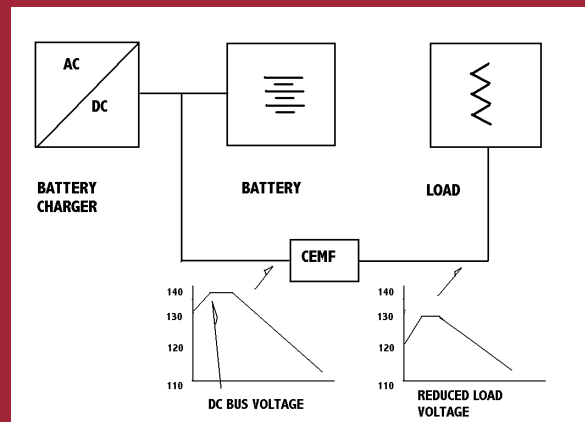
COUNTER ELECTRO-MOTIVE FORCE VOLTAGE DROP UNIT FOR SENSITIVE LOADS

In some battery systems the batteries are charged at voltages that exceed the loads' specifications.

The HindlePower Counter EMF device is placed between the battery and the load to reduce the voltage to the load. This system senses the voltage at the battery and adds the correct drop needed to the load.

Units are custom-sized to the load current and specific voltage drop to maintain proper voltage at the loads.

Wall-mounted or floor-mounted, depending on size, CEMF devices are available in several enclosure types for your application, including: standard NEMA-1, NEMA-3R (rain proof), NEMA-4 (dust proof) and NEMA-4X (stainless steel dust proof).



Note the above diagram:

A 120Vdc system where the load is limited to 130Vdc, but the batteries can be charged at 140Vdc. During normal operation the load voltage is reduced to 10Vdc less than the charging voltage.

As the batteries discharge, the CEMF device connects the load and the batteries together, directly with no voltage drop.

Contact factory for pricing and model availability.

**HINDLEPOWER**

