



# PA 5840 POWER AMPLIFIER/BATTERY SIMULATOR



- Large inrush current capability
- Capacitive stability mode
- High bandwidth up to 150 kHz
- Fast slew rate
- Two output ranges for power efficiency
- Two gain settings for universal use
- Sense lines for cable voltage drop compensation
- Four quadrant operation

Battery simulators replace the vehicle battery in the test environment. These sources must fulfill various criteria concerning power rating, voltage, slew rate, impedance, etc. depending on the particular application. Bi-polar current sources are specified for in several cases. With bandwidths three times the other amplifiers and inrush currents far exceeding other comparable solutions, pulse 2b, pulse 4, sine wave noise and other complex simulations are realm of the PA 5840 series. Of course the amplifier is also perfectly suited for ISO 7637 compliant simulated conducted transient testing. Offering combinations of features that exist in no other battery simulator, the PA 5840 series is the right product for your EMC needs. Designed specifically for automotive EMC testing, Teseq's 42V ready amplifier sets the pace for automotive battery simulation including features necessary for automotive immunity testing such as sense wires for cable voltage drop compensation and several operating modes for stability with complex automotive loads. Consistent with the philosophy of the Teseq's EMC concept, the PA 5840 utilizes a modular structure so that upgrades can be implemented in the future. The control unit, power stage and power supply are all separate rack-mounted functional units for easy ex-changes and upgrading.

For more details, see the complete catalog "Automotive Electrical Disturbances".

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