ART logics
EUROPE • SHANGHAI • SUZHOU

- Runs battery pack endurance tests
- Includes 18 independent and isolated charge / discharge channels
- Extendable number of channels
- Each channel can run the CV, CC, CR and CP charging and discharging tests
  - Adjustable voltage output from 0V to 7V with a resolution of 1mV
  - Current sourcing capability of 1A
  - Controlled electrical load adjustable from 4 Ω to 7k Ω per channel
  - Includes high precision voltage and current measurement loggers

BATTERY CYCLER

- Battery Cell Simulator Rack scales to 256 Channels/Isolated Cells
- 180 Cells Rack Mount with a 10*18 Cell Modules for BMS Testing
- Adjustable output V per cell - 0 V to 7 V with 1.0 mV precision
- NTC and Fault simulation tests also with short circuit, open circuit
  and reverse voltage fault tests
- V/I Measurements for each cell
  - V with a precision of 0.4 mV
  - High I with a precision of 1 mA
  - Low I with a precision of 5 uA
- Controllable by CAN ISO 11898-2, Ethernet TCP and USB-C

Battery Cell Simulation Rack

- Supports the complete BMS Validation Process – DV, PV, LTT and EOL FCT
- Automotive Load Box designed for BMS Testing without complex wiring setup
- Offers CAN, LIN, Analog inputs, Digital I/O channels, Counters, PWM for BMS/CSC Signals
- Simulates the specific signals for BMS with fault simulation
- Monitors and measures specific BMS signals

BMS Load Box

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INTEGRATED SERVICES