

ACTIONPOWER Electric Co

www.cnaction.com

Programmable Power Supply



AC source
Regenerative Grid
Simulator

DC source
Bidirectional DC-
Power Supply

AC/DC load
Regenerative
Load

- Xi 'an ACTIONPOWER Electric Co., Ltd. was founded in 1996
- ACTIONPOWER focus on power electronic technology, research field concerning power electronic, detecting technique, control theory, signal processing
- There are two production bases in Xi 'an and Suzhou. The total number of employees is 585.

Product Overview

1. PRD Series

2- and 4-Quadrant Test Systems with Power Recuperation

- High Efficiency up to 91%
- 20kVA in 3U for 4 quadrants, parallel connection up to 200kVA
- RLC-Networks simulation functions
- Accurate Measurement Function (current: 0,02% FS)
- High Dynamics (100 μ s @ 90% ~ @ 10%)
- Rich Programming Functions (list, pulse, step, ...)



2. PRE Series

Programmable AC- & DC- Power Sources & Loads

- DC-5kHz – 6kVA to 150kVA
- 450Vrms and +/-636Vdc
- High Power Density eg. 15kVA@4U / 120kVA@42U
- Constant Output Power
- AC-, DC-, AC/DC-Operation-Modes
- Harmonic Simulation
- High Dynamics
- Rich Programming Functions (list, pulse, step, ...)



3. **ACS AGL Series**
Power Grid Simulation
40-70Hz up to 1MW

- High accuracy: voltage accuracy $\pm 0.1\%$ F.S.
- frequency accuracy 0.01%
- comprehensive grid simulations (Harmonics, Flicker, ...)
- 3-phase unbalance load simulation
- Rich Programming Functions (list, pulse, step, ...)



4. **APS Series**
Photovoltaic Simulator

is a high-speed, high-precision, high-dynamic switching power supply with comprehensive I-V curve simulation, simulating a variety of photovoltaic module performance characteristics, offering a variety of user-defined, static and dynamic I-V curve simulation. And with powerful programming functions, through Step, List, Wave three programming methods to simulate different waveform outputs to meet the test of a variety of industries. In addition to providing a standard power supply environment for the electrical equipment, the power supply can also receive the energy returned from the load and feed it back into the power grid, saving energy and improving the test environment

5. **AFL Series**

- High Power Electronic DC-Load with Power Recuperation for battery and fuel cell test
- cI, cR, cU and cP operation modes
- up to 1.200V @ 300kW

6. **High-Power Power-Supplies for**

- Railway Infrastructure Applications
- Aviation Ground-Lightning Systems
- Special Industrial Application

Related products

Single Cell Test Systems

1. **6V 600A 3kW – 6 Channel Battery Cell Cycler CTU-6-600-6IOS**
www.machatka.at/stromversorgung-pdf/CTU-6-600-6ISO_3kW.pdf

2. **20V 600A 10KW 2 Channel Battery Cell Tester RMTH3-20-600-2ISO**
www.machatka.at/stromversorgung-pdf/RMTH3-20-600-2ISO10kW.pdf