Battery Simulator
DC Power Supply

Features

High Capacity
Max. output voltage: 750V
Max. output current: 1200A

High Efficiency
95% or better

Charge and Discharge Feature

Supplies stable voltage to test inverters for EV and HEV motors
Cuts automotive development times
**Control Modes**

- **Basic control**: Fixed voltage mode
- **System startup**: Fixed current mode
  - Fixed voltage mode
  - BTS mode (simulates resistance loss within battery)

**Basic Specifications**

- **Output voltage**: 100~750V  ※Operable range: 50~750V
- **Fixed current**: 48~1200A

**Control accuracy**

<table>
<thead>
<tr>
<th>Control Mode</th>
<th>Control accuracy*</th>
<th>Fixed Voltage Mode</th>
<th>±1V</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Response time*</td>
<td>±3%FS</td>
<td>±5%FS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30ms</td>
<td>10ms</td>
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<tr>
<td></td>
<td></td>
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<td>150ms</td>
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</tbody>
</table>

*Please inquire with Toyo Denki regarding control accuracy and response time.

**Product Series**

- **Max. output**: 600V  Capacity: Up to 720kW equivalent  Fixed current: Up to 1200A
- **Max. output voltage**: 750V  Capacity: Up to 375kW equivalent  Fixed current: Up to 500A

**Basic Equipment Configuration**

Comprises insulation transformer, power supply control panel, converter panel, chopper panel and reactor panel.

Notes:
- Optional operating box and relay box are available.
- Please inquire with Toyo Denki regarding dimensions.

Can be customized to customer specifications.

Can be combined with Toyo Denki Dynamo Equipment for power circulation.

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