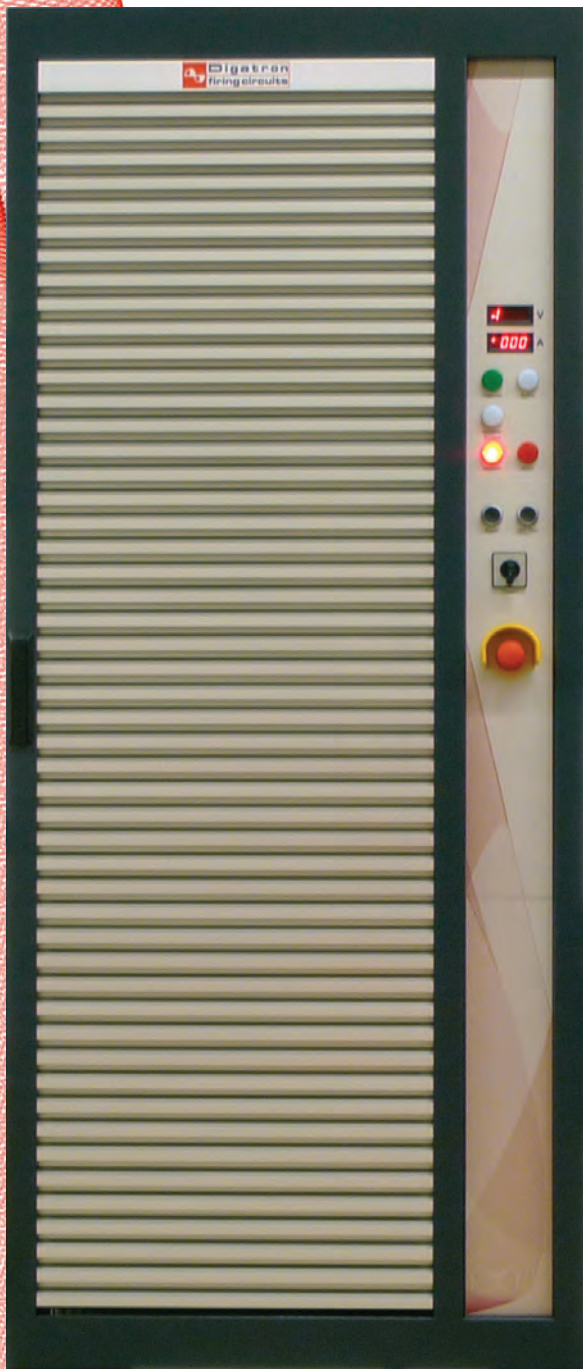


Electronic Load System

FCT^{IGBT} Series



- For Testing Fuel Cells and other Power Sources
- Programmable High Current Sink
- Simulates Load Profiles of EV & HEV
- FCT^{IGBT} Series with High Dynamic IGBT Power Circuits
- Available DC Outputs 600/800/1000 Volts
- Expandable up to 1500 A or 400 kW
- Full Sine Wave Energy Regeneration
- Value: Scalable System and Optional Components
- Modular Design – Made in Germany
- Controlled by Battery Manager or via CAN-Bus



■ Electronic Load System General Data

DC Output Voltage	600 V – 800 V – 1000 V
DC Output Current & Power	up to 1500 A or 400 kW
PC Software:	Battery Manager or BTS-600
Accuracy	0.1 % Full Scale
Resolution	±10 mA
Data Acquisition Rate	1 ms
Current Rise Time (10-90% load)	≤ 10 ms (0.2 Ω resistive load)
DC Current Ripple	≤ 1% _{rms} Full Scale
Input Power Supply	400 Volts, 3-phase, 50/60 Hz
Ambient Temperature	10-40°C (50-104°F)
Cabinet Dimensions (excl. base)	1890 x 800 x 800 mm (H x W x D)
Weight	~ 900 kg
Cooling Method	forced air flow, front to top

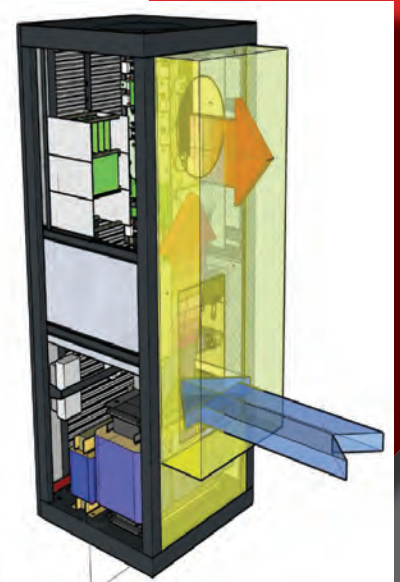
■ Electronic Load System Advanced Features

Value: Solid Quality Construction, Scalable System & Optional Components
Superior Regeneration Efficiency for reduced TCO
Advanced Thermal Management Allows Side-By-Side Placement
Cabinet conveniently sized to fit through standard doors using 100mm base
Big read-outs, lights and push-buttons for easy and safe operation
EMC-safe design
Internal/External Isolation Fault Monitor Changeover

■ Options

Additional Voltage, Temperature, Analog Inputs I/O for Auxiliary Devices, RS-232
Cabinet Castors
Second set of CAN controlled DC Output Contactors
Paralleling of Units or Single/Parallel Changeover
Connection Boxes located in Test Chamber for easy Reconfiguration
Second Voltage Measuring Range 100 V
Second current range 40A with low ripple, controllable by CAN
Alternative AC Input Voltage on request
Water Cooling with Air-Water Heat Exchanger
Isolation Fault Monitor (mandatory in EU)
DC Cables 300 A / 600 A, 8 m

Please inquire with our sales team to receive detailed information.



Optional Air-Water Heat Exchanger

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