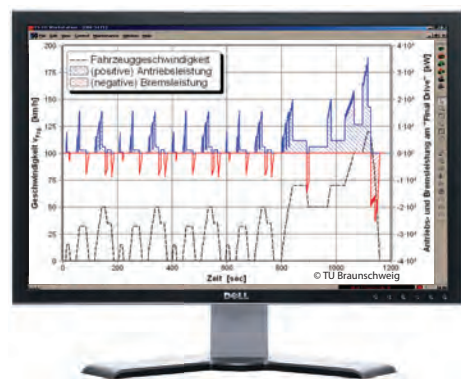


Battery Emulator

IGBT Series

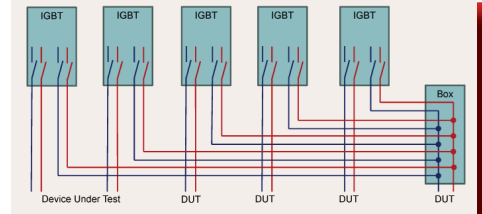
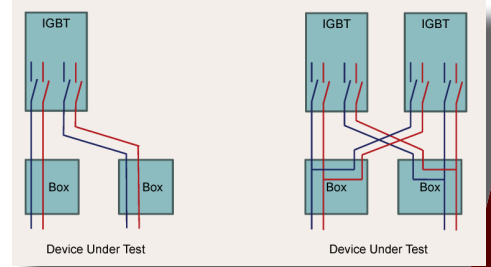


- For Automotive Test Bench Lines and other HIL Applications
- Programmable High Voltage Source and Sink
- Emulates Batteries of Any Technology
- Highly Dynamic IGBT Power Circuits
- Available DC Outputs 600/800/1000 Volts
- Expandable to 1500 A or 400 kW
- Full Sine Wave Energy Regeneration
- Value: Scalable System and Optional Components
- Modular Design
- Controlled by Battery Manager or CAN-Bus Supervising

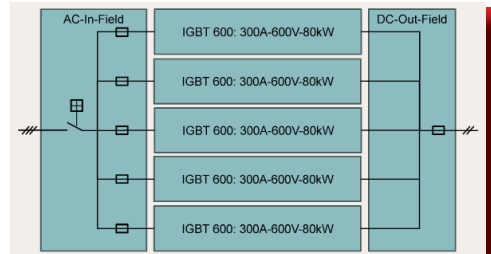


Battery Emulator General Data

Model:	BE 300-600	BE 300-800	BE 200-1000
DC Output Voltage 2Q	50 – 600 V	50 – 800 V	50 – 1000 V
DC Output Voltage 4Q	-600 – 600V	-800 – 800V	-
DC Output Current	± 300 A [cont.] ± 400 A [peak ⁽¹⁾]	± 300 A [cont.]	± 200 A [cont.]
DC Output Power	± 80 kW [cont.] ± 135 kW [peak ⁽¹⁾]	± 80 kW [cont.]	± 80 kW [cont.]
Accuracy	0.1 % Full Scale		
Resolution	±20 mA / ±30 mV		
Data Acquisition Rate	1 ms		
U Transient Time (10-90% I)	≤ 3 ms (0 to 1 Ω)		
DC Current Ripple	≤ 1A peak-peak @1Ω load, 300A		
Input Power Supply (see Options)	400 Volts, 3-phase, 50/60 Hz		
Ambient Temperature	10-40°C (50-104°F)		
Cabinet Dimensions	1995 x 800 x 870 mm (H x W x D)		
Weight	~ 900 kg		
Cooling Method	forced air flow, front to top		
⁽¹⁾ 30 sec every 15 min		Other current and voltage ranges available on request.	



Optional Paralleling of Power Circuits and Connection Box



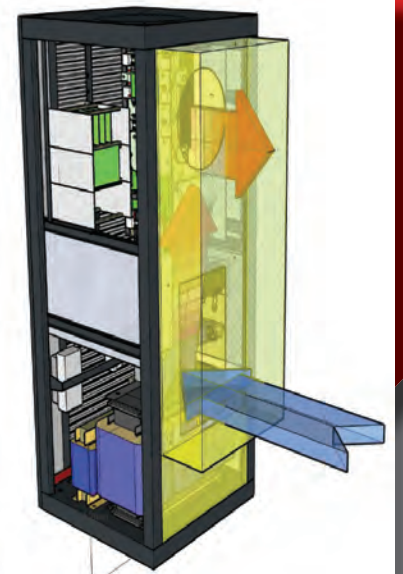
Optional AC Energy and DC Output Panels

Battery Emulator Advanced Features

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

Options

Additional CAN busses for BMS integration, external CAN control etc.
Additional Voltage, Temperature, Analog Inputs I/O for Auxiliary Devices, RS-232
Cabinet Castors
Second set of DC Output Contactors
Paralleling of Units or Single/Parallel Changeover
Connection Boxes located in Test Chamber
Second Voltage Measuring Range 100 V
Second Current Range 40A with low ripple ⁽³⁾
AC Input Voltage on request (Specify as Required)
AC Input Energy Panel for 2–5 Power Circuits, 160/240/320/400 kW
DC Output Panel for 2–5 Power Circuits, 600/900/1200/1500 A
Dual mode operation EVT/BE
Water Cooling with Air-Water Heat Exchanger
Isolation Fault Monitor
⁽³⁾ Accuracy 0.2% FS = 80 mA



Optional Air-Water Heat Exchanger

POWER ELEKTRONİK SAN. VE TİC. A.Ş.

Armağan evler mah. saman yolu cad. ipekçi sok. No:12 Ümraniye/İST

Phone:02164816699 info@powerelektronik.com.tr