

Battery Module Tester

BDBT Series



- 100 VDC, 50 A Scalable System for Testing Batteries, Fuel Cell Stacks and Super Cap Modules
- Drive Cycle Simulation, Cycling, Capacity Testing, Internal Resistance and BMS Testing
- Output Current: -50 to +50 ADC
Output Voltage: 2.5 to 100 VDC
- Paralleling of Power Modules
- Energy Feedback to the Grid Reduces Heat Generation
- Electronic Commutation from Charge to Discharge
- Plug-In Modular Design for Ease of Service
- Additional Input Channels via CAN-Bus



- Controlled by Battery Manager or BTS-600 PC Software

General Data

Control Interface:	BTSME
PC Software:	Battery Manager or BTS-600
AC Power Factor:	> 99 %
AC Harmonic Distortion:	No individual harmonic > 3 %
DC Output Accuracy, Voltage:	± 100 mV / 0.1% Full Scale
DC Output Accuracy, Current:	± 50 mA / 0.1 % Full Scale
DC Output Accuracy, Resolution:	± 15 Bit
DC Output Voltage / Current:	0 to 100 VDC / -50 to +50 ADC
Data Acquisition Rate:	100 ms
Control Rate:	2 ms per Circuit
DC Current Ripple	± 0.5 Arms / 1 % Full Scale
Input Power Supply:	3-phase, 50/60 Hz
Ambient Temperature:	10-40°C (50-104°F)



Individual Technical Data

Model Designation	Current [A]	Voltage [V]	Number of Circuits	Cabinet Size	Power Supply [kVA]	DC Output Power [kW]
BDBT 50-100-4	0.05-50	5-100	4	S	24	5
BDBT 50-100-16	0.05-50	5-100	16	M	96	5

Other combinations available on request.

Cabinets

Size	Dimensions (H x W x D) [mm]
S	1100 x 670 x 850 (43.3" x 26.4" x 33.5")
M	1950 x 670 x 850 (76.8" x 26.4" x 33.5")



Options

Additional Voltage, Temperature, Analog Inputs
Interface for Cell Drop Out/Bypass
I/O for Auxiliary Devices
RS232, CAN Bus

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