

Vehicle Power Net Tester

BNT Series



- For Vehicle System Batteries
- Simulates Load Profiles Typical for xEV Power Nets
- High Current Discharge and Recharge Capabilities
- Current Range: up to 1000 A
Voltage Range: up to 60 V
- Current Range Switching and Paralleling of Circuits
- Fast, Reliable Solid State Switching
- Plug-In Power Modules for Ease of Service
- Data Logger Systems via CAN-Bus



- Controlled by BTS-600 PC Software

General Data

Control Interface:	MicroME
PC Software:	BTS-600
External Control:	RS232, CAN Bus
Accuracy I_{nom} :	$\pm 0.1\%$ Full Scale
Control Rate:	< 5 ms
Transition Time (Charge/Discharge):	< 20 ms (-90 to +90% I_{nom})
Rise Time:	< 5 ms (+10 to +90% I_{nom})
Input Power Supply	3-phase, 50/60 Hz
Ambient Temperature:	10 – 40 °C (50–104 °F)



Individual Technical Data

Model Designation	Current (Dis/Cha) [A]	Voltage [V]	Power (Dis) [kW]	Cabinet Size
BNT 300/150-60	0.3-300/0.3-150	10-60	12	M
BNT 500/300-60	0.5-500/0.5-300	10-60	20	L
BNT 700/300-60	0.7-700/0.7-300	10-60	28	2 x M
BNT 1000/300-60	1-1000/1-300	10-60	36	2 x L

Other current and voltage ranges available on request.



Cabinets

Cabinet Size	Dimensions [mm], (HxWxD)
M	1950 x 670 x 850 (76.8" x 26.4" x 33.5")
L	2250 x 670 x 850 (88.6" x 26.4" x 33.5")

Options

High Speed Data Acquisition and Control
Single Cell Operation
Additional Voltage, Temperature, and Analog Inputs
I/O for Auxiliary Devices, RS232, CAN Interface

