NEWARE Manufacturer of Battery Testing Equipment

Technology Specification

BTS-5V100A	Battery Testing System Driving Cycle Simulation	
Model:BTS-5V100A		Material Code:CT-8008-5V100A-NTFA
Description		Product Specification
AC Input		AC 380V±10% 50Hz
Power		7089W
Resolution		AD: 16bit; DA: 16bit
Input Impedance		≥1MΩ
Voltage	Measuring Range	25mV~5V
	Discharge Min Voltage	0V
	Accuracy	± 0.05% of FS
	Stability	± 0.1% of FS
Current	Range	0.05A~10A; 10A~40A; 40A-70A; 70A~100A (Four Range)
	Accuracy	± 0.05% of FS
	Stability	± 0.1% of FS
Power	Output Power Per Channel	500W
	Stability	± 0.2% of FS
Time	Rise Time	20ms (0~Full Range)
	Step Time	≤ (365*24) hour/step Time Format 00：00：00：000 (h:min:s:ms)
Data Acquisition	Intervals	Time interval Δt: 10ms
		Voltage interval ΔU: 10mV
		Current interval ΔI: 20mA;80mA;140mA;200mA
	Frequency	100Hz
Charge	Mode of Operation	CCC, CVC, CC & CVC, CPC, Pulse, Simulation
	End Conditions	Voltage, Current, Test Time, Capacity
Discharge	Mode of Operation	CCD, CVD, CPD, CRD
	End Conditions	Voltage, Current, Test Time, Capacity
Pulse mode	Charge	CR mode、CP mode
	Discharge	CC mode、CP mode
	Min pulse width	500ms
	Automated Switch	Automated switch from charge to discharge for each pulse

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	End Condition	Voltage、Relative Time
Simulation	Charge Mode	Current, power
	Discharge Mode	Current, power
	End Condition	Time, line number
	Charge and discharge continuous switching	A simulation step can be achieved from the charging to the discharge of continuous switching
	Limit the number of line files	100,000
Aux Test	Aux Input	Temperature(Thermocouple)
	Temperature	－200℃~260℃
	Temperature Accuracy	±1℃
	Temperature Resolution	0.1℃
DCIR	Support for the calculation of the point of the DCIR	
Cycle	Cycles	65535
	Steps	254
	Nested Function	Max three levels of loops
Protective Function		● Power-off data protection
		● Off-line Operating
		● User-defined safety(upper and lower)tolerance of current, voltage and delay time
		● With anti-reverse function
Channel Features		Independent pairs of closed loop for constant current source and constant voltage source
Channels		Independent control
Detection and Sampling		4-wire Connecting
Noise Density		<85dB
Data Management		MYSQL Database
Communication Means		TCP/IP Protocol
Export Formats		EXCEL2003/2010, TXT, Graph
Communication Interface		Ethernet Port

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Number of Channels Per Cabinet	8
Operating Environment	
Description	Product Specification
Operating Temperature	0℃~40℃(In the 25 ± 10 ℃ range, to ensure accuracy: Accuracy drift 0.005% of FS / ℃)
Storage Temperature	-10℃~50℃
Operating Humidity	≤70% RH
Storage Humidity	≤80% RH
Description	Product Specification
Battery Holder	Universal Holder
Holder Picture	
	Ring nose clips
	Picture for reference, please confirm the actual product
Dimensions （W*D*H）(mm)	30U（24”），730mm*600mm*1520mm
Equipment Picture	
	Picture for reference, please confirm the actual product

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