NEWARE

Specifications

BTS4000-5V12A Battery testing system										
Model:	BTS4000-	5	V	12	A	Battery Testing System	SN:	CT-4008Q	-5V12A	-S1/204n

Items		Values
Input AC		AC 220V/110V ±10% / 50Hz
Input power		826 W
Resolution		AD: 24bit; DA: 16bit
Input impedance		≥1MΩ
Voltage	CV output range	25mV~5V
	Min discharge voltage	2V for universal holder,2.5V for 2m cable
	Accuracy	± 0.02% of FS
	Stability	± 0.02% of FS
Current	Output range/channel	**Range1: 0.2mA-100mA; Range2: 100mA-500mA; Range3: 500mA-6A; Range4: 6A-12A**
	Accuracy	± 0.02% of FS
	CV cut-off current	Range1: 0.1mA; Range2: 0.5mA; Range3: 6mA; Range4: 12mA
	Stability	± 0.02% of FS
Power	Output power/channel	60 W
	Stability	± 0.04% FS
Time	Current response time	<1.5ms (10%FS~90%FS)
	Working step time	≤(365*24)h/step Timeformat-00:00:00.000(h, m, s, ms)
Data record	Data record conditions	Min data record interval: 100ms
		Min voltage change: 5mV
		Min current change: 0.1mA; 0.5mA; 6mA; 12mA
	Frequency	10Hz
Charge	Charge modes	CC, CV, CCCV, CP
	Cut-off condition	Voltage, Current, Time, Capacity, Energy, -△V
Discharge	Discharge modes	CC, CV, CCCV, CP, CR
	Cut-off condition	Voltage, Current, Time, Capacity, Energy
Pulse	Charge	CC, CP
	Discharge	CC, CP
	Min pulse width	500ms
	Pulse counts	Up to 32
	Chg and Dschg switch	Supported
	Cut-off condition	Voltage, Time
DCIR	Calculated DCIR values available in BTSDA	
Cycle	Max cycles	65535
	Max steps	254
	Cycle nest	3
Protection	Safety protection	• Power-failure data protection
		• Offline operation mode
		• User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.

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Channels feature	Independent pairs of closed loop for constant current and voltage
Channels control mode	Independent control
Data acquisition method	Kelvin connection
Noise	<55dB
Database	MySQL
Communication	TCP/IP
Operating system	Windows 7/8/10
Data export	EXCEL, TXT, CSV, PDF, Plot/Graph
Min. disk drive	500GB
Communication port	Ethernet port
Leak Current	<5μA
Channels per unit	8
Operation and storage environment requirement	
Items	**Values**
Operation environment temperature	0℃~40℃ (When the temperature is 25±5℃, the accuracy offset caused by temperature is less than 50ppm /℃)
Storage environment temperature	-10℃~50℃
Operation environment humidity	≤70% RH(no moisture condensation)
Storage environment humidity	≤80% RH(no moisture condensation)
Clamps and dimensions	
Items	**Values**
Tester pictures	 
Clamps pictures	    Universal holder | Alligator | Polymer | Ring connector Pictures just for reference
Dimensions(W*D*H)(mm)	3U（19"）, 483*563*130（-S1）/483*518*130（-204n）

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