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Specifications

BTS4000-5V6A Battery testing system										
Model:	BTS4000-	5	V	6	A	Battery Testing System	SN:	CT-4008T	-5V6A	-S1/164

Items		Values
Input AC		AC 220V/110V ±10% / 50Hz
Input power		425 W
Resolution		AD:16bit; DA:16bit
Input impedance		≥1MΩ
Voltage	CV output range	25mV~5V
	Min discharge voltage	1V for universal holder,1.5V for 2m cable
	Accuracy	± 0.05% FS
	Stability	± 0.05% FS
Current	Output range/channel	**Range1: 0.5mA-0.1A; Range2: 0.1A-3A; Range3: 3A-6A**
	Accuracy	± 0.05% FS
	CV cut-off current	Range1: 0.2mA; Range2: 6mA; Range3: 12mA
	Stability	± 0.05% FS
Power	Output power/channel	30 W
	Stability	± 0.1% FS
Time	Current response time	<1ms (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: 10mV
		Min current change: 0.2mA; 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 current/voltage, delay time, temperature, etc.

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Channels feature	Independent pairs of closed loop for constant
Channels control mode	Independent control
Data acquisition method	Kelvin connection
Noise	<55dB
Database	MySQL
Communication	TCP/IP
Operating system	Windows 7/8/10 64bit
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±10℃, 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)	3U19", 483*404*130

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