Specifications

BTS4000-5V12A Battery testing system

Model:	BTS4000-	5	V	12	A	BatteryTestingSystem	SN:	CT-4008T	-5V12A	-S1/204n

Items		Values
Input AC		AC 220V/110V ±10% / 50Hz
Input power		826 W
Resolution		AD: 16bit; DA: 16bit
Input impedance		≥1MΩ
Voltage	CV output range	25mV~5V
	Min discharge voltage	2V for universal holder,2.5V for 2m cable
	Accuracy	± 0.05% FS
	Stability	± 0.05% FS
Current	Output range/channel	**Range1: 5mA-1A; Range2: 1A-6A; Range3: 6A-12A**
	Accuracy	± 0.05% FS
	CV cut-off current	Range1: 2mA;Range2: 12mA;Range3: 24mA
	Stability	± 0.05% FS
Power	Output power/channel	60 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: 2mA;12mA;24mA
	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.

Channels feature	Independent pairs of closed loop for constant
Channels control mode	Independent control
Data acquisition method	Kelvin connection
Noise	<85dB
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	

	Universal holder	Alligator	Polymer	Ring connector
Clamps pictures	Pictures just for reference			
Dimensions(W*D*H)(mm)	3U19", 483*563*130(S1) / 483*518*130(204n)			