

BTS4000-5V6A Battery testing system

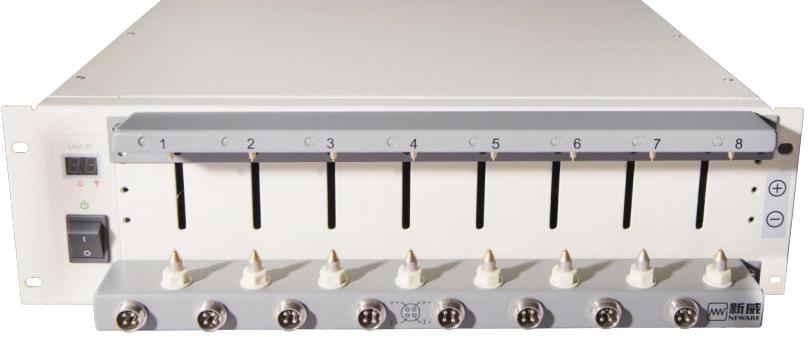
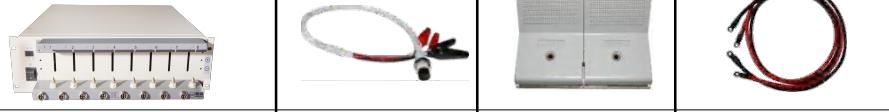
Model:	BTS4000-	5	V	6	A	Battery Testing System	SN:	CT-4008T	-5V6A	-S1
Items						Values				
Input AC						AC 220V/110V ±10% / 60Hz				
Input power						425 W				
Resolution						AD: 24bit; DA: 16bit				
Input impedance						$\geq 1M\Omega$				
Voltage	CV output range					25mV~5V				
	Min discharge voltage					1V for universal holder, 1.5V for 2m cable				
	Accuracy					± 0.05% of FS				
	Stability					± 0.05% of FS				
Current	Output range/channel					Range1: 0.5mA-0.1A; Range2: 0.1A-3A; Range3: 3A-6A				
	Accuracy					± 0.05% of FS				
	CV cut-off current					Range1: 0.2mA; Range2: 6mA; Range3: 12mA				
	Stability					± 0.05% of FS				
Power	Output power/channel					30	W			
	Stability					± 0.1% FS				
Time	Current response time					<1ms (10%FS~90%FS)				
	Working step time					$\leq(365*24)h$ /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, $-\Delta V$				
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					<ul style="list-style-type: none"> • 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 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°C~40°C (When the temperature is 25±10°C, the accuracy offset caused by temperature is less than 50ppm /°C)
Storage environment temperature	-10°C~50°C
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*404*130