

<b>BTS4000-5V6A Battery testing system</b>										
Model:	BTS4000-	5	V	1	A	BatteryTestingSystem	SN:	CT-4008T	-5V1A	164
Items						Values				
Input AC						AC 220V/110V ±10% / 50Hz				
Input power						425 W				
Resolution						AD:24bit; 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					<b>Range1: 0.5mA-0.1A; Range2: 0.1A-0.5A; Range3: 0.5A-1A</b>				
	Accuracy					± 0.05% FS				
	CV cut-off current					Range1: 0.2mA; Range2: 1mA; Range3: 2mA				
	Stability					± 0.05% FS				
Power	Output power/channel					5	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; 1mA; 2mA				
Frequency						10Hz				
Charge	Charge modes					CC, CV, CCCV, CP				
	Cut-off condition					Voltage, Current, Time, Capacity, Energy, -ΔV				
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.				

Channels feature	<b>Independent pairs of closed loop for constant</b>			
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	<5 $\mu$ A			
Channels per unit	8			
<b>Operation and storage environment requirement</b>				
<b>Items</b>	<b>Values</b>			
Operation environment temperature	0 $^{\circ}$ C~40 $^{\circ}$ C (When the temperature is 25 $\pm$ 10 $^{\circ}$ C, the accuracy offset caused by temperature is less than 50ppm/ $^{\circ}$ C)			
Storage environment temperature	-10 $^{\circ}$ C~50 $^{\circ}$ C			
Operation environment humidity	$\leq$ 70% RH(no moisture condensation)			
Storage environment humidity	$\leq$ 80% RH(no moisture condensation)			
<b>Clamps and dimensions</b>				
<b>Items</b>	<b>Values</b>			
Tester pictures				
Clamps pictures				
	Universal holder	Alligator	Polymer	Ring connector
Pictures just for reference				
Dimensions(W*D*H)(mm)	3U19", 483*404*130			