





<b>BTS4000-5V1A Battery Testing System</b>			
Model:	BTS4000-5V1A	Battery Testing System	SN: CT-4008Tn-5V1A
<b>Items</b>		<b>Values</b>	
Input AC		AC 220V ±10% / 50Hz	
Input power		425 W	
Resolution		AD: 24bit; DA: 16bit	
Input impedance		≥1MΩ	
Voltage	CV output range	25mV~5V	
	Min discharge voltage	1.0V for universal holder, 1.5V for 2m cable	
	Accuracy	± 0.05% of FS	
	Stability	± 0.05% of FS	
Current	Output range/channel	<b>Range1:0.5mA-0.1A; Range2: 0.1A-0.5A; Range3: 0.5A-1A</b>	
	Accuracy	± 0.05% of FS	
	CV cut-off current	2mA	
	Stability	± 0.05% of FS	
Power	Output power/channel	5	W
	Stability	± 0.1% of FS	
Time	Current response time	<1ms (10%FS~90%FS)	
	Working step time	≤(365*24)h/step Time format-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,-ΔV	
Discharge	Discharge modes	CC,CP,CR,CV,CCCV	
	Cut-off condition	Voltage,Current,Time,Capacity	
Pulse	Charge	CC,CP	
	Discharge	CC,CP	
	Min pulse width	500ms	
	Pulse counts	Up to 32	
	Cut-off condition	Voltage,Time	
DCIR	Supported		
Cycle	Max cycles	65535	
	Max steps	254	
	Cycle nest	3	

Protection	Safety protection	Power-off data protection	
		<ul style="list-style-type: none"> <li>• Off-line operation mode</li> </ul>	
		<ul style="list-style-type: none"> <li>• User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.</li> </ul>	
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 64 bit		
Data export	EXCEL,TXT,CSV,PDF,Plot/Graph		
Disk drive	500GB		
Communication port	Ethernet port		
Leak Current	<5μA		
Channels per unit	8		
<b>Operation and storage environment requirement</b>			
<b>Items</b>	<b>Values</b>		
Operation environment temperature	0°C~40°C (When the temperature is 25±10°C, the accuracy error caused by temperature change 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)		
<b>Clamps and dimensions</b>			
<b>Items</b>	<b>Values</b>		
Tester pictures			
Clamps pictures (Pictures just for reference)			
Clamps types	Alligator	Polymer	Coin
Dimensions (W*D*H) (mm)	3U (19") , 483*404*130		