





<b>BTS4000-5V6A Battery testing system</b>			
Model:	BTS4000-5V6A	Battery testing system	SN: CT-4008T-5V6A
Items		Values	
Input AC		AC 220V $\pm$ 10% / 50Hz	
Input power		425 W	
Resolution		AD: 16bit; DA: 16bit	
Input impedance		$\geq$ 1M $\Omega$	
Voltage	CV output range	25mV~5V	
	Min discharge voltage	1.0V for universal holder,1.5V for 2m cable	
	Accuracy	$\pm$ 0.05% of FS	
	Stability	$\pm$ 0.05% of FS	
Current	Output range/channel	<b>Range1: 0.5mA-100mA; Range2: 100mA-3A; Range3: 3A-6A</b>	
	Accuracy	$\pm$ 0.05% of FS	
	CV cut-off current	Range1: 0.2mA; Range2: 6mA; Range3: 12mA	
	Stability	$\pm$ 0.05% of FS	
Power	Output power/channel	30	W
	Stability	$\pm$ 0.1% of FS	
Time	Current response time	Max rising time:1ms (10%FS~90%FS)	
	Working step time	$\leq$ (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; 6mA; 12mA	
	Frequency	10Hz	
Charge	Charge modes	CC,CV,CCCV,CP	
	Cut-off condition	Voltage,Current,Time,Capacity,- $\Delta$ V	
Discharge	Discharge modes	CC,CP,CR,CV	
	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	<85dB
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	<5 $\mu$ A
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 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)

### Clamps and dimensions

Items	Values
Tester pictures (Pictures just for reference)	
Clamps pictures (Pictures just for reference)	
	
	
	<p style="text-align: center;">Alligator                      Polymer                      Coin</p>
Dimensions (W*D*H) (mm)	3U (19") , 483*404*130