





BTS4000-5V6A Battery testing system											
Model:	BTS4000-	5	V	6	A	Battery testing system	SN:	CT-4008	-5V6A	-	S1
Items		Values									
Input AC		AC 220V/110V ±10% / 50Hz									
Input power		425 W									
Resolution		AD: 16bit; 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-100mA; Range2: 100mA-6A</b>									
	Accuracy	± 0.05% of FS									
	CV cut-off current	Range1: 0.2mA; Range2: 12mA									
	Stability	± 0.05% of FS									
Power	Output power/channel	30	W								
	Stability	± 0.1% of FS									
Time	Current response time	Max rising time: 1ms									
	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: Range1: 0.2mA; Range2: 12mA									
	Frequency	10Hz									
Charge	Charge modes	CC、CV、CCCV、CP									
	Cut-off condition	Voltage、Current、Time、Capacity、-ΔV									
Discharge	Discharge modes	CC、CP、CR、 <b>CV</b>									
	Cut-off condition	Voltage、Current、Time、Capacity、-ΔV									
Pulse	Charge	CC、CP									
	Discharge	CC、CP									
	Min pulse width	500ms									
	Pulse counts	Up to 32									
	Chg and Dischg switch	Supported									
	Cut-off condition	Voltage、Time									
DCIR	Supported										
Cycle	Max cycles	65535									
	Max steps	254									
	Cycle nest	3									
Protection	Safety protection	● Power-off data protection									
		● Off-line 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 64 bit	
Data export	EXCEL、TXT、CSV、PDF、Plot/Graph	
Disk drive	500GB	
Communication port	Ethernet port	
Leak Current	0.0000005mA	
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		
	Alligator	Polymer
		
		Coin
	Pictures just for reference	
Dimensions (W*D*H) (mm)	3U1F, 480*380*130	