





BTS4000-10V3A Battery Testing System			
Model:	BTS4000-10V3A	Battery Testing System	SN: CT-4008-10V3A
Items		Values	
Input AC		AC 220V ±10% / 50Hz	
Input power		365 W	
Resolution		AD: 16bit; DA: 16bit	
Input impedance		≥1MΩ	
Voltage	CV output range	50mV~10V	
	Min discharge voltage	2.0V for universal holder, 2.5V for 2m cable	
	Accuracy	± 0.05% of FS	
	Stability	± 0.05% of FS	
Current	Output range/channel	15mA~3A	
	Accuracy	± 0.05% of FS	
	CV cut-off current	6mA	
	Stability	± 0.05% of FS	
Power	Output power/channel	30	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: 20mV	
		Min current change: 6mA	
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"> • Off-line operation mode
		<ul style="list-style-type: none"> • 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		<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 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		
Clamps pictures (Pictures just for reference)		  
Clamps types		Alligator Polymer Coin
Dimensions (W*D*H) (mm)		3U (19") , 483*404*130