





BTS4000-5V100mA Battery Testing System			
SN:		CT-4008Q-5V100mA-124	
Items		Values	
Input AC		AC 220V ±10% / 50Hz	
Input power		40	W
Resolution		AD: 24 bit; DA: 24bit	
Input impedance		≥1GΩ	
Voltage	CV output range	10mV~5V	
	Min discharge voltage	-5V	
	Accuracy	± 0.01% of FS	
	Stability	± 0.02%of FS	
Current	Output range/channel	Range1: 0.2μA-0.1mA; Range2: 0.1mA-1mA; Range3: 1mA-10mA; Range4: 10mA-100mA	
	Accuracy	± 0.01% of FS	
	CV cut-off current	Range1:0.1μA; Range2:1μA; Range3:10μA;Range:0.1mA	
	Stability	0.02% of FS	
Power	Output power/channel	0.5	W
	Stability	±0.04 %of 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: 5mV	
		Min current change: Range1:0.1μA;Range2:1μA;Range3:10μA;Range4:0.1mA	
Frequency	10Hz		
Charge	Charge modes	CC、CV、CCCV、CP	
	Cut-off condition	Voltage、Current、Time、Capacity、-ΔV	
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	Upto32	

	Chg and Dischg switch	Supported	
	Cut-off condition	Voltage、Time	
DCIR		Supported	
Cycle		Max cycles	1~65535
		Max steps	254
		Cycle nest	3
Protection	Safety protection	<ul style="list-style-type: none"> ●Power-off data protection ●Off-line operation mode ●User-defined protection conditions, such as upper and lower limited current/voltage,delay time,temperature,etc. 	
IP (Ingress Protection) Rating		IP20	
Channels feature		Independent pairs of closed loop for constant	
Channels control mode		Independent control	
Data acquisition method		Kelvin connection	
Noise		< 45dB	
Database		MySQL	
Communication		TCP/IP	
Operating system		Windows7/10	
Data export		EXCEL、TXT、CSV、PDF、Plot/Graph	
Disk drive		500GB	
Communication port		Ethernet port	
Leak Current		0.005μA	
Channels per unit		8	
Operation and storage environment requirement			
Items		Values	
Operation environment temperature		0℃~40℃ (Whenthe temperature is 25±10℃,the accuracy error caused by temperature change is less than 50ppm/℃)	
Storage environment temperature		-10℃~50℃	
Operation environment humidity		≤70%RH(no moisture condensation)	
Storage environment humidity		≤80%RH(no moisture condensation)	

Clamps and dimensions			
Items		Values	
Clamps types	Dimensions (W*D*H) (mm)		
Clamps pictures			
	Alligator	Polymer	PCB Coin Cell Clamp
	Pictures just for reference		
Dimensions (W*D*H) (mm)	1U (19") 443*310*43		
Tester pictures			
	Pictures just for reference		