




<b>BTS4000-5V6A Battery Testing System</b>			
SN:		CT-4008Q-5V6A-S1-W	
Items		Values	
Input AC		AC 110V/220V ±10% / 50Hz	
Input power		450	W
Resolution		AD: 24 bit; DA: 16bit	
Input impedance		≥1MΩ	
Voltage	CV output range	25mV~5V	
	Min discharge voltage	1.5V(2m wire)	
	Accuracy	± 0.02% of FS	
	Stability	± 0.04%of FS	
Current	Output range/channel	<b>Range1: 100mA; Range2: 500mA;Range3: 3A; Range4:6A</b>	
	Accuracy	± 0.02% of FS	
	CV cut-off current	Range1: 0.1mA; Range2: 0.5mA; Range3: 3mA; Range4: 6mA	
	Stability	0.04% of FS	
Power	Output power/channel	30	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: Range1:0.1mA;Range2:0.5mA;Range3:3mA; Range4:6mA	
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	
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"> <li>•Power-off data protection</li> <li>•Off-line operation mode</li> <li>•User-defined protection conditions, such as upper and lower limited current/voltage,delay time,temperature,etc.</li> </ul>
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		< 85dB
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		<5μA
Channels per unit		8
<b>Operation and storage environment requirement</b>		
<b>Items</b>		<b>Values</b>
Operation environment temperature		0℃~40℃ (When the temperature is25±5℃,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	cable lug Clamp
	Pictures just for reference		
Equipment pictures	