






BTS4000-5V6A Battery testing system										
Model:	BTS4000-	5	V	6	A	Battery Testing System	SN:	CT-4008Q	-5V6A	-S1
Items					Values					
Input AC					AC 220V/110V ±10% / 50Hz					
Input power					400 W					
Resolution					AD: 24bit; DA: 16bit					
Input impedance					≥1MΩ					
Voltage	CV output range				10mV~5V					
	Min discharge voltage				1V for universal holder, 1.5V for 2m cable					
	Accuracy				± 0.02% of FS					
	Stability				± 0.02% of FS					
Current	Output range/channel				<b>Range1: 0.2mA-100mA; Range2: 100mA-500mA; Range3: 500mA-3A; Range4: 3A-6A</b>					
	Accuracy				± 0.02% of FS					
	CV cut-off current				Range1: 0.1mA; Range2: 0.5mA; Range3: 3mA; Range4: 6mA					
	Stability				± 0.02% of FS					
Power	Output power/channel				30	W				
	Stability				± 0.02% FS					
Time	Current response time				<1.5ms (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: 0.1mA; 0.5mA; 3mA; 6mA					
Frequency				10Hz						
Charge	Charge modes				CC, CV, CCCV, CP					
	Cut-off condition				Voltage, Current, Time, Capacity, Energy, -ΔV					
Discharge	Discharge modes				CC, CV, CCCV, CP, CR					
	Cut-off condition				Voltage, Current, Time, Capacity, Energy					
Pulse	Charge				CC, CP					
	Discharge				CC, CP					
	Min pulse width				500ms					
	Pulse counts				Up to 32					
	Chg and Dschg switch				Supported					
	Cut-off condition				Voltage, Time					
DCIR					Calculated DCIR values available in BTSDA					
Cycle	Max cycles				65535					
	Max steps				254					
	Cycle nest				3					
Protection	Safety protection				• Power-failure data protection					
					• Offline 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 current and voltage			
Channels control mode	Independent control			
Data acquisition method	Kelvin connection			
Noise	<55dB			
Database	MySQL			
Communication	TCP/IP			
Operating system	Windows 7/8/10			
Data export	EXCEL, TXT, CSV, PDF, Plot/Graph			
Min. 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 is 25±5℃, the accuracy offset caused by temperature 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)			
<b>Clamps and dimensions</b>				
<b>Items</b>	<b>Values</b>			
Tester pictures				
Clamps pictures				
	Universal holder	Alligator	Polymer	Ring connector
Pictures just for reference				
Dimensions(W*D*H)(mm)	3U (19" ) , 483*404*130			