

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					Range1: 0.2mA-100mA; Range2: 100mA-500mA; Range3: 500mA-3A; Range4: 3A-6A					
	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			
Operation and storage environment requirement				
Items	Values			
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)			
Clamps and dimensions				
Items	Values			
Tester pictures				
Clamps pictures				
	Universal holder	Alligator	Polymer	Ring connector
	Pictures just for reference			
Dimensions(W*D*H)(mm)	3U (19") , 483*404*130			