

BTS4000-5V12A Battery testing system											
Model:	BTS4000-	5	V	12	A	Battery Testing System		SN:	CT-4008Q	-5V12A	-S1/204n
Items					Values						
Input AC					AC 220V/110V ±10% / 50Hz						
Input power					826 W						
Resolution					AD: 24bit; DA: 16bit						
Input impedance					≥1MΩ						
Voltage	CV output range				25mV~5V						
	Min discharge voltage				2V for universal holder,2.5V 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-6A; Range4: 6A-12A						
	Accuracy				± 0.02% of FS						
	CV cut-off current				Range1: 0.1mA; Range2: 0.5mA; Range3: 6mA; Range4: 12mA						
	Stability				± 0.02% of FS						
Power	Output power/channel				60	W					
	Stability				± 0.04% 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; 6mA; 12mA						
	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*563*130 (-S1) /483*518*130 (-204n)			