






BTS4000-5V6A Battery testing system										
Model:	BTS4000-	5	V	6	A	BatteryTestingSystem	SN:	CT-4008T	-5V6A	-S1/164
Items					Values					
Input AC					AC 220V/110V ±10% / 50Hz					
Input power					425 W					
Resolution					AD:16bit; DA:16bit					
Input impedance					≥1MΩ					
Voltage	CV output range				25mV~5V					
	Min discharge voltage				1V for universal holder,1.5V for 2m cable					
	Accuracy				± 0.05% FS					
	Stability				± 0.05% FS					
Current	Output range/channel				Range1: 0.5mA-0.1A; Range2: 0.1A-3A; Range3: 3A-6A					
	Accuracy				± 0.05% FS					
	CV cut-off current				Range1: 0.2mA;Range2: 6mA;Range3: 12mA					
	Stability				± 0.05% FS					
Power	Output power/channel				30		W			
	Stability				± 0.1% 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: 10mV					
					Min current change: 0.2mA;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 current/voltage, delay time, temperature, etc.					

Channels feature	Independent pairs of closed loop for constant			
Channels control mode	Independent control			
Data acquisition method	Kelvin connection			
Noise	<55dB			
Database	MySQL			
Communication	TCP/IP			
Operating system	Windows 7/8/10 64bit			
Data export	EXCEL, TXT, CSV, PDF, Plot/Graph			
Min. disk drive	500GB			
Communication port	Ethernet port			
Leak Current	<5 μ A			
Channels per unit	8			
Operation and storage environment requirement				
Items	Values			
Operation environment temperature	0 $^{\circ}$ C~40 $^{\circ}$ C (When the temperature is 25 \pm 10 $^{\circ}$ C, the accuracy offset caused by temperature is less than 50ppm/ $^{\circ}$ C)			
Storage environment temperature	-10 $^{\circ}$ C~50 $^{\circ}$ C			
Operation environment humidity	\leq 70% RH(no moisture condensation)			
Storage environment humidity	\leq 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)	3U19", 483*404*130			