






BTS4000-5V12A Battery testing system											
Model:	BTS4000-	5	V	12	A	Battery testing system	SN:	CT-4008T	-5V12A	-	S1/204n
Items						Values					
Input AC						AC 220V/110V ±10% / 50Hz					
Input power						826 W					
Resolution						AD: 16bit; DA: 16bit					
Input impedance						≥1MΩ					
Voltage	CV output range					25mV~5V					
	Min discharge voltage					2.0V for universal holder, 2.5V for 2m cable					
	Accuracy					± 0.05% of FS					
	Stability					± 0.05% of FS					
Current	Output range/channel					Range1: 5mA-1A; Range2: 1A-6A; Range3: 6A-12A					
	Accuracy					± 0.05% of FS					
	CV cut-off current					Range1: 2mA; Range2: 12mA; Range3: 24mA					
	Stability					± 0.05% of FS					
Power	Output power/channel					60 W					
	Stability					± 0.1% of FS					
Time	Current responsetime					Max rising 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: 2mA; 12mA; 24mA					
	Frequency					10Hz					
Charge	Charge modes					CC、 CV、 CCCV、 CP					
	Cut-off condition					Voltage、 Current、 Time、 Capacity、 -ΔV					
Discharge	Discharge modes					CC、 CP、 CR、 CV					
	Cut-off condition					Voltage、 Current、 Time、 Capacity					
Pulse	Charge					CC、 CP					
	Discharge					CC、 CP					
	Min pulse width					500ms					
	Pulse counts					Up to 32					
	Chg and Dischg switch					Supported					
	Cut-off condition					Voltage、 Time					
DCIR	Supported										
Cycle	Max cycles					65535					
	Max steps					254					
	Cycle nest					3					
Protection	Safety protection					● Power-off data protection					
						● Off-line 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			
Channels control mode	Independent control			
Data acquisition method	Kelvin connection			
Noise	<85dB			
Database	MySQL			
Communication	TCP/IP			
Operating system	Windows 7/8/10 64bit			
Data export	EXCEL、TXT、CSV、PDF、Plot/Graph			
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±10℃, 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			
Tester pictures				
Clamps pictures				
	Universal holders	Alligator	Polymer	Ring connector
Pictures just for reference				
Dimensions (W*D*H) (mm)	3U (19") , 483*563*130 (-S1) /483*518*130 (-204n)			