





BTS4000-5V12A Battery testing system											
Model:	BTS4000-	5	V	12	A	Battery testing system	SN:	CT-4008	-5V12A	-	DB
Items						Values					
Input AC						AC 220V/110V ±10% / 50Hz					
Input power						851 W					
Resolution						AD: 16bit; DA: 16bit					
Input impedance						≥1MΩ					
Voltage	CV output range					25mV~5V					
	Min discharge voltage					1.0V for universal holder, 1.5V for 2m cable					
	Accuracy					± 0.05% of FS					
	Stability					± 0.05% of FS					
Current	Output range/channel					<b>Range1: 5mA-1A; Range2: 1A-12A</b>					
	Accuracy					± 0.05% of FS					
	CV cut-off current					Range1: 2mA; Range2: 24mA					
	Stability					± 0.05% of FS					
Power	Output power/channel					60 W					
	Stability					± 0.1% of FS					
Time	Current response time					Max rising time: 1ms					
	Working step time					≤(365*24)h/step Time format-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: Range1: 2mA; Range2: 24mA										
Charge	Frequency					10Hz					
	Charge modes					CC, CV, CCCV, CP					
Discharge	Cut-off condition					Voltage, Current, Time, Capacity, -ΔV					
	Discharge modes					CC, CP, CR, <b>CV</b>					
Pulse	Cut-off condition					Voltage, Current, Time, Capacity, -ΔV					
	Charge					CC, CP					
	Discharge					CC, CP					
	Min pulse width					500ms					
	Pulse counts					Up to 32					
	Chg and Dischg switch					Supported					
DCIR	Cut-off condition					Voltage, Time					
	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 64 bit		
Data export	EXCEL、TXT、CSV、PDF、Plot/Graph		
Disk drive	500GB		
Communication port	Ethernet port		
Leak Current	0.0000005mA		
Channels per unit	8		
<b>Operation and storage environment requirement</b>			
<b>Items</b>	<b>Values</b>		
Operation environment temperature	0°C~40°C (When the temperature is 25±10°C, the accuracy error caused by temperature change is less than 50ppm /°C)		
Storage environment temperature	-10°C~50°C		
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			
	Alligator	Polymer	Coin
	Pictures just for reference		
Dimensions (W*D*H) (mm)	3U3F, 480*730*130		