





BTS4000-10V3A Battery testing system											
Model:	BTS4000-	10	V	3	A	Battery testing system	SN:	CT-4008	-10V3A	-	S1
Items						Values					
Input AC						AC 220V/110V ±10% / 50Hz					
Input power						365 W					
Resolution						AD: 16bit; DA: 16bit					
Input impedance						≥1MΩ					
Voltage	CV output range					50mV~10V					
	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					15mA-3A					
	Accuracy					± 0.05% of FS					
	CV cut-off current					0.006A					
	Stability					± 0.05% of FS					
Power	Output power/channel					30 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: 20mV					
						Min current change: 6mA					
Frequency						10Hz					
Charge	Charge modes					CC、CV、CCCV、CP、CCCV for battery pack					
	Cut-off condition					Voltage、Current、Time、Capacity、-ΔV					
Discharge	Discharge modes					CC、CP、CR					
	Cut-off condition					Voltage、Current、Time、Capacity、-ΔV					
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	
Communicatin	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	0.000001mA	
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		
	Alligator	Polymer
		
	Coin	
	Pictures just for reference	
Dimensions (W*D*H) (mm)	3U1F, 480*380*130	