

BTS4000-5V500mA Battery testing system												
Model:	BTS4000-	5	V	500	mA	Battery testing system		SN:	CT-4008	-5V500mA	-	S1
Items						Values						
Input AC						AC 220V/110V ±10% / 50Hz						
Input power						35 W						
Resolution						AD: 16bit; DA: 16bit						
Input impendence						≥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					2.5mA~500mA						
	Accuracy					± 0.05% of FS						
	CV cut-off current					1mA						
	Stability					± 0.05% of FS						
Power	Output power/channel					2.5	W					
	Stability					± 0.1% of FS						
Time	Current rspnse 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: 1mA						
	Frequency					10Hz						
Charge	Charge modes					CC、CV、CCCV、CP						
	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	0.005mA		
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		