



NEWARE

Specifications

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BTS4000-5V6A Battery testing system

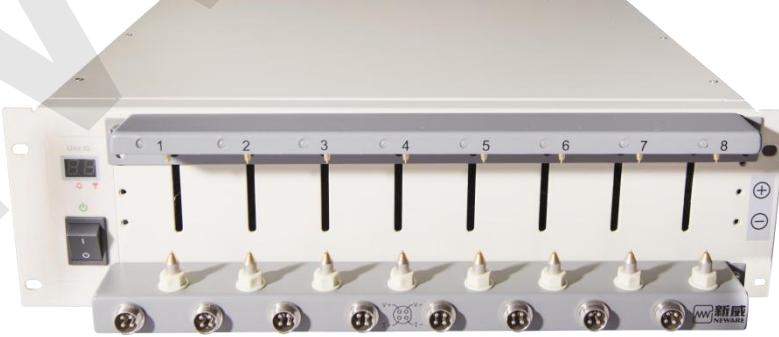
Model:	BTS4000-	5	V	6	A	Battery testing system	SN:	CT-4008T	-5V6A	-	S1/164					
Items						Values										
Input AC						AC 220V/110V ±10% / 50Hz										
Input power						425 W										
Resolution						AD: 16bit; DA: 16bit										
Input impedance						≥1MΩ										
Voltage	CV output range					25mV~5V										
	Min discharge voltage					1.0V for universal holder, 1.5V for 2m cable										
	Accuracy					± 0.05% of FS										
	Stability					± 0.05% of FS										
Current	Output range/channel					Range1: 0.5mA-100mA; Range2: 100mA-3A; Range3: 3A-6A										
	Accuracy					± 0.05% of FS										
	CV cut-off current					Range1: 0.2mA; Range2: 6mA; Range3: 12mA										
	Stability					± 0.05% of FS										
Power	Output power/channel					30	W									
	Stability					± 0.1% of FS										
Time	Current response time					Max rising time: 1ms (10%FS~90%FS)										
	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: 0.2mA; 6mA; 12mA														
	Frequency	10Hz														
Charge	Charge modes					CC、CV、CCCV、CP										
	Cut-off condition					Voltage、Current、Time、Capacity、-△V										
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			<ul style="list-style-type: none"> • Power-off data protection • Off-line operation mode 												
				<ul style="list-style-type: none"> • 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	<5µA
Channels per unit	8

Operation and storage environment requirement

Items	Values
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)

Clamps and dimensions

Items	Values
Tester pictures	
Clamps pictures	  
	Alligator Polymer Coin
Dimensions (W*D*H) (mm)	3U1F, 480*400*130