

NEWARE Specifications

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; Range2: 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/stepTimeformat-00: 00: 00.000(h、m、s、ms)						
Data record	Data record conditions				Min data recordinterval:100ms						
					Min voltage change: 10mV						
					Min current change: Range1: 2mA; Range2: 12mA; Range3: 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.						

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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 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 environmenttemperature	0℃~40℃ (When the temperature is 25±10℃, the accuracy error caused by temperature change is less than 50ppm /℃)			
Storage environmenttemperature	-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)			

NewareUSA
 2799 South Belt West
 Belleville IL 62226
 Ph: 618 233 8866
 Email: sales@newareusa.com