





BTS4000-50V20A Battery testing system											
Model:	BTS4000-	50	V	20	A	Battery testing system	SN:	CT-4008	-50V20A	-	NA
Items						Values					
Input AC						AC 380V/208V \pm 10% / 50Hz					
Input power						10532 W					
Resolution						AD: 16bit; DA: 16bit					
Input impedance						\geq 1M Ω					
Voltage	CV output range					0.25V~50V					
	Min discharge voltage					3V					
	Accuracy					\pm 0.1% of FS					
	Stability					\pm 0.1% of FS					
Current	Output range/channel					0.1A~20A					
	Accuracy					\pm 0.1% of FS					
	CV cut-off current					0.04A					
	Stability					\pm 0.1% of FS					
Power	Output power/channel					1000 W					
	Stability					\pm 0.2% of FS					
Time	Current response time					Max rising time:20ms					
	Working step time					\leq (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: 100mV					
						Min current change: 40mA					
Frequency					10Hz						
Charge	Charge modes					CC、CV、CCCV、CP、CCCV for battery pack					
	Cut-off condition					Voltage、Current、Time、Capacity、 $-\Delta$ V					
Discharge	Discharge modes					CC、CP、CR					
	Cut-off condition					Voltage、Current、Time、Capacity、 $-\Delta$ V					
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										
CH parallel	If output current > 100A, then supported, in parallel mode pulse function is disabled										
Cycles	Max cycles					65535					
	Max steps					254					
	Nest					3					

Protection	Safety protection	• Power-off data protection
		• Off-line operation mode
	Hardware protection	• 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
Data Export		EXCEL、TXT、CSV、PDF、Plot/Graph
Disk space		500GB
Leak current		0.05mA
Operation system		Windows 7/8/10 64bit
Communication port		Ethernet port
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 (Pictures just for reference)		
Clamps pictures (Pictures just for reference)		  
Clamps types		Alligator Polymer Ring
Dimensions (W*D*H) (mm)		36U (19"), 600*600*1780