





BTS4000-20V50A Battery testing system											
Model:	BTS4000-	20	V	50	A	Battery testing system	SN:	CT-4004	-20V50A	-	NA
Items						Values					
Input AC						AC 380V/208V \pm 10% / 50Hz					
Input power						5570 W					
Resolution						AD: 16bit; DA: 16bit					
Input impedance						\geq 1M Ω					
Voltage	CV output range					0.1V~20V					
	Min discharge voltage					2.5V					
	Accuracy					\pm 0.1% of FS					
	Stability					\pm 0.1% of FS					
Current	Output range/channel					0.25A~50A					
	Accuracy					\pm 0.1% of FS					
	CV cut-off current					0.1A					
	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: 40mV					
						Min current change: 100mA					
	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	<ul style="list-style-type: none"> • Power-off data protection • Off-line operation mode • User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc. 	
	Hardware protection	Fooproof protection with hardware protection level IP20	
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		0.02mA	
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
Dimensions (W*D*H) (mm)		18U (19"), 600*600*1000	
			Ring