




BTS4000-5V100A Battery testing system											
Model:	BTS4000-	5	V	100	A	Battery testing system	SN:	CT-4008	-5V100A	-	NA
Items		Values									
Input AC		AC 380V/208V $\pm$ 10% / 50Hz									
Input power		7089 W									
Resolution		AD: 16bit; DA: 16bit									
Input impedance		$\geq$ 1M $\Omega$									
Voltage	CV output range	0.025V~5V									
	Min discharge voltage	2.5V									
	Accuracy	$\pm$ 0.1% of FS									
	Stability	$\pm$ 0.1% of FS									
Current	Output range/channel	0.5A~100A									
	Accuracy	$\pm$ 0.1% of FS									
	CV cut-off current	0.2A									
	Stability	$\pm$ 0.1% of FS									
Power	Output power/channel	500	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: 10mV									
		Min current change: 200mA									
Frequency	10Hz										
	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"> <li>• Power-off data protection</li> <li>• Off-line operation mode</li> <li>• User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.</li> </ul>	
	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		0.005mA	
Operation system		Windows 7/8/10 64bit	
Communication port		Ethernet port	
<b>Operation and storage environment requirement</b>			
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)	
<b>Clamps and dimensions</b>			
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	