




BTS4000-5V50A Battery testing system											
Model:	BTS4000-	5	V	50	A	Battery testing system	SN:	CT-4008	-5V50A	-	NA
Items						Values					
Input AC						AC 220V/110V $\pm$ 10% / 50Hz					
Input power						3544 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					0.25A~50A					
	Accuracy					$\pm$ 0.1% of FS					
	CV cut-off current					0.1A					
	Stability					$\pm$ 0.1% of FS					
Power	Output power/channel					250 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: 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"> <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)		12U (19"), 600*600*740	