





BTS8000-5V300A Battery testing systems											
Model:	BTS8000-	5	V	300	A	Battery testing systems	Material No:	CT-8004	-5V300A	-	NA
Items						Values					
Input AC						AC 380V/208V \pm 10% / 50Hz					
Input power						10633 W					
Resolution						AD: 16bit; DA: 16bit					
Input impedance						\geq 1M Ω					
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/CH					1.5A~300A					
	Accuracy					\pm 0.1% of FS					
	CV cut-off current					0.6A					
	Stability					\pm 0.1% of FS					
Power	Max power/CH					1500		w			
	Stability					\pm 0.2% of FS					
Time	Rspnse time					Max current response time<20ms					
	Working step time					\leq (365*24)hour/step, Time format: 00:00:00.000(h,m,s,ms)					
Data record	Data record conditions					Min data record interval: 10ms					
						Min voltage record: 10mV					
						Min current record: 600mA					
Frequency					100Hz						
Charge	Charge modes					CC、CV、CCCV、CP、Pulse、Simulation					
	Cut-off conditions					Voltage、Current、Time、Capacity、 $-\Delta$ V					
Discharge	Discharge modes					CV、CP、CR					
	Cut-off conditions					Voltage、Current、Time、Capacity、 $-\Delta$ V					
Pulse Modes	Charge					CC、CP					
	Discharge					CC、CP					
	Min pulse					500ms					
	Pulse counts					up to 32					
	Continuous charge and discharge switch					Supported					
	Cut-off conditions					Voltage, Time					

Simulation	Charge	Current, Voltage
	Discharge	Current, Voltage
	Cut-off conditions	Time, step line
	Continuous charge and discharge switch	Supported
	Steps file lines	100,000
DCIR	Supported	
Multi ranges	4 ranges	
Channels union	Up 2 channels, and unable to do pulse and simulation after union.	
Cycle	Max cycles	65535
	Max steps	254
	Max cycle 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 features	Independent pairs of closed loop for constant current source and constant voltage source.	
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	
Operating system	Windows 7/8/10 64bit	
Operation and storage environment requirement		
Items	Values	
Operation environment temperature	0℃~40℃ (When the temperature is 25±10℃, the accuracy error caused by temperature change is less than 50ppm /℃)	
Storage environment temperature	-10℃~50℃	
Operation environment humidity	≤70% RH(no moisture condensation)	
Storage environment humidity	≤80% RH(no moisture condensation)	
Clamps and dimensions		
Items	Values	

<p>Tester pictures (Pictures just for reference)</p>			
<p>Clamps pictures (Pictures just for reference)</p>			
	<p>Alligator</p>	<p>Polymer</p>	<p>Rings</p>
<p>Dimensions (W*D*H) (mm)</p>	<p>36U (19") , 600*600*1780</p>		