





BTS4000-10V200ABattery testing system											
Model:	BTS4000-	10	V	200	A	Battery testing system	SN:	CT-4004	-10V200A	-	NA
Items						Values					
Input AC						AC 380V ±10% / 50Hz					
Input power						12152	W				
Resolution						AD: 16bit; DA: 16bit					
Input Impedance						≥1MΩ					
Voltage	CV output range					0.05V~10V					
	Min discharge voltage					2.5V					
	Accuracy					± 0.1% of FS					
	Stability					± 0.1% of FS					
Current	Output range/channel					1A~200A					
	Accuracy					± 0.1% of FS					
	CV cut-off current					1A					
	Stability					± 0.1% of FS					
Power	Output power/channel					2000	W				
	Stability					± 0.2% of FS					
Time	Current response time					Max rising time:20ms					
	Working step time					≤(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: 20mV					
						Min current change: 400mA					
Frequency					10Hz						
Charge	Charge modes					CC、 CV、 CCCV、 CP、 CCCV for battery pack					
	Cut-off condition					Voltage、 Current、 Time、 Capacity、 -ΔV					
Discharge	Discharge modes					CC、 CP、 CR					
	Cut-off condition					Voltage、 Current、 Time、 Capacity					
Pulse	Charge					Constant current, Constant power					
	Discharge					Constant current, Constant power					
	Min pulse width					500ms					
	Pulse counts					Up to 32					
	Cut-off condition					Voltage、 Time					
DCIR	Supported										
CH parallel	Unsupported										
Cycles	Max cycles					65535					
	Max steps					254					
	Nest					3					
Protection	Safety protection					● 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					Foolproof protection with hardware protection level IP20						

Channels feature	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		
Harddrive space requirement	500GB		
Leak current	0.01mA		
Operation system	Windows 7/8/10 64bit		
Communication port	Ethernet port		
<b>Operation and storage environment requirement</b>			
Items	Values		
Operation environment temperature	0℃~40℃ (When the temperature is 25±10℃, the accuracy error caused by temperature change is less than 0.005% of FS /℃)		
Storage environment temperature	-10℃~50℃		
Operation environment humidity	≤70% RH(no moisture condensation)		
Storage environment humidity	≤80% RH(no moisture condensation)		
<b>Clamps and dimensions</b>			
Items	Values		
Tester Picture (Pictures just for reference)			
Clamps pictures (Pictures just for reference)			
Clamps types	Alligator	Polymer	Ring connector
Dimension (W*D*H) (mm)	36U (19"), 600*600*1780		