

BTS4000-60V50A Battery testing system											
Model:	BTS4000-	60	V	50	A	Battery testing system	SN:	CT-4002	-60V50A	-	NA
Items						Values					
Input AC						AC 380V/208V ±10% / 50Hz					
Input power						7848 W					
Resolution						AD: 16bit; DA: 16bit					
Input impedance						≥1MΩ					
Voltage	CV output range					0.3V~60V					
	Min discharge voltage					3V					
	Accuracy					± 0.1% of FS					
	Stability					± 0.1% of FS					
Current	Output range/channel					0.25A~50A					
	Accuracy					± 0.1% of FS					
	CV cut-off current					0.1A					
	Stability					± 0.1% of FS					
Power	Output power/channel					3000 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: 120mV					
						Min current change: 100mA					
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、 -ΔV					
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	• Power-off data protection
		• Off-line operation mode
	Hardware protection	• 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		0.06mA
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 Ring
Dimensions (W*D*H) (mm)		24U (19") , 600*600*1260