

BTS4000-60V100A Battery testing system											
Model:	BTS4000-	60	V	100	A	Battery testing system		SN:	CT-4002	-60V100A-	NA
Items					Values						
Input AC					AC 380V/208V ±10% / 50Hz						
Input power					15696 W						
Resolution					AD: 16bit; DA: 16bit						
Input impendence					≥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				0.5A~100A						
	Accuracy				± 0.1% of FS						
	CV cut-off current				0.2A						
	Stability				± 0.1% of FS						
Power	Output power/channel				6000	W					
	Stability				± 0.2% of FS						
Time	Current rspnse 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: 200mA						
	Frequency				10Hz						
Charge	Charge modes				CC、 CV、 CCCV、 CP、 CCCV forbattery pack						
	Cut-off condition				Voltage、 Current、 Time、 Capacity、 -△V						
Discharge	Discharge modes				CC、 CP、 CR						
	Cut-off condition				Voltage、 Current、 Time、 Capacity、 -△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	• 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 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℃~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
Tester Pictures (Pictures just for reference)		
Clamps pictures (Pictures just for reference)		  
Clamps types		Alligator Polymer Ring
Dimensions (W*D*H) (mm)		36U (24"), 730*600*1780