

BTS4000-100V30A Battery testing system												
Model:	BTS4000-	100	V	30	A	Battery testing system		SN:	CT-4002	-100V30A	-	NA
Items						Values						
Input AC						AC 380V/208V ±10% / 50Hz						
Input power						7747 W						
Resolution						AD: 16bit; DA: 16bit						
Input impendence						≥1MΩ						
Voltage	CV output range					0.5V~100V						
	Min discharge voltage					3V						
	Accuracy					± 0.1% of FS						
	Stability					± 0.1% of FS						
Current	Output range/channel					0.15A~30A						
	Accuracy					± 0.1% of FS						
	CV cut-off current					0.06A						
	Stability					± 0.1% of FS						
Power	Output power/channel					3000	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: 200mV						
						Min current change: 60mA						
	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		0.1mA
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)		30U (19"), 600*600*1520