Specifications of BTS9000-5V5A-8CH

Items		Values
AC input		AC220V ±10%50Hz/ AC 110V ±10%50Hz
Resolution		AD：16bit；DA：16bit
Input impendence		≥ 500MΩ (power on), LC=100uA (power off)
Input power		500w
Features		4 ranges, high acquisition frequency, high accuracy
Channels control mode		Independent control
Voltage	Voltage output	Charge：0.7 V~5V；Discharge：0.7 V~5V（0.5m data wire)
	Lowest output voltage	0.7 V（0.5m data wire)
	Accuracy	± 0.02% of FS
	Stability	±0.005%of FS
Current	Current output ranges	Range1: 0.1uA---150uA
		Range2: 150uA---5mA
		Range3: 5mA---150mA
		Range4: 150mA---5A
	Accuracy	± 0.02% of FS
		Range1: ± 30nA
		Range2: ± 1uA
		Range3: ± 30uA
		Range4: ± 1mA
	Stability	±0.005%of FS
Power	Output power/CH	25W
	Stability	± 0.01% of FS

Time	**Current response time**	<= 100μS (10%to 90%or90%to 10%);	
	Testing step time range	>=10ms	
Data record	**Data record conditions**	Time △t: >=1ms	
		Voltage △U: >= 1mV	
		Current △I: >= 100nA	
	Frequency	1000Hz, Pulse	
Charge	**Modes**	CC, CCCV, CV, CP, CR	
	End conditions	Voltage, Current, △t, Capacity, Energy, Power	
Discharge	**Modes**	CC, CP, CR, Pulse	
	End conditions	Voltage, Current, △t, Capacity	
Pulse	**Charge**	CC, CP	
	Discharge	CC, CP	
	Min. pulse width	400μs	
	Pulses counts	Up to 16 changes in each pulse	
	End conditions	Voltage, △t	
DCIR	**Can be calculated by software**		
Cycle	**Max cycles**	65535	
	Max steps in each cycle	255	
	Max cycle nest	4	
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.	
Data acquisition method	Kelvin connection		
Database	MySQL		
Data export	Xls, txt, PDF, Graph/Plot		
Communication	Ethernet		
Channels	8		
Dimensions	48*33*13（cm)		
Clamps	204Air-plug, Polymer or alligator available		
Operating system	Windows7/10 64 bit for the best		

Operation and storage environment requirement

Operation environment temperature	0℃~40℃ (When the temperature is 25±10℃, the accuracy error caused by temperature change is less than50ppm /℃)
Storage environment temperature	-10℃~50℃
Operation environment humidity	≤70%RH (no moisture condensation)

Storage environment humidity	≤80%RH (no moisture condensation)