

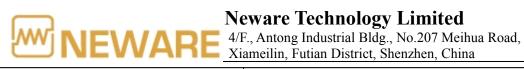
Neware Technology Limited

4/F., Antong Industrial Bldg., No.207 Meihua Road,
Xiameilin, Futian District, Shenzhen, China

Specifications of BTS9000-5V5A-4CH



Items		Values
AC input		AC 220V ±10% 50Hz/AC 110V ±10% 50Hz
Resolution		AD : 16bit ; DA : 16bit
Input impendence		$\geq 500M\Omega$ (power on), LC=100uA(power off)
Input power		250 w
Features		4 ranges, high acquisition frequency, high accuracy
Channels control mode		Independent control
	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)
Voltage	Accuracy	± 0.02% of FS
	Stability	±0.005% of FS
	Current output ranges	Range 1: 0.1uA150uA
		Range 2: 140uA5mA
		Range 3: 4.5mA150mA
		Range 4: 140mA5A
	Accuracy	± 0.02% of FS
Current		Range 1: ± 30nA
		Range 2: ± 1uA
		Range 3: ± 30uA
		Range 4: ± 1mA
	Stability	±0.005% of FS
Power	Output power/CH	25W
	Stability	± 0.01% of FS
Time	Current response time	<= 100μS (10% to 90% or 90% to 10%);
	Testing step time range	>=10ms
Data record	Data record conditions	Time △t:>=1ms
		Voltage △U:>=1mV
		Current AI: >= 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



Items		Values
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
	Safety protection	Power-off data protection
- •		Off-line operation mode
Protection		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, Graph/Plot, PDF
Communication		Ethernet
Channels		4
Dimensions		585*575*130 (mm)
Clamps		264 Air-plug, Polymer or alligator available
Operating system		Windows 7/10 64bit for the best
Operatio	n and storage envir	onment 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 50 ppm /°C)
Storage environment temperature		-10°C~50°C
Operation environment humidity		≤70% RH(no moisture condensation)
Storage environment humidity		≤80% RH(no moisture condensation)