





<b>The BTS-5V12A Four-Range Battery Testing System</b>			
Equipment material code:		CT-4008Q-5V12A-S1/204n	
Indicator project		Indicator parameters	
Enter the power supply		AC 220V ±10% / 50Hz	
Input active power		826	W
Resolution ratio		AD: 24bit; DA: 16bit	
Input impedance		≥1MΩ	
Voltage	Constant voltage range control	25mV~5V	
	Minimum discharge voltage	The two ends of the upper and lower fixtures can be discharged to 2V, and the 2m line length can be discharged to 2.5V	
	Accuracy	± 0.02% of FS	
	Stability	± 0.02% of FS	
Current	Output range per channel	Range 1:0.5mA-0.1A; range 2:0.1A-0.5A; Range 3:0.5A~6A; range 4:6A-12A	
	Accuracy	± 0.02% of FS	
	Constant pressure cut-off current	Range 1:0.2 mA; range 2:1 mA; range 3:12 mA; range 4:24 mA	
	stability	± 0.02% of FS	
Power	Single-channel maximum output power	60W	
	Stability	± 0.04% of FS	
Time	Current response time (10%FS~90%FS)	≤1.5ms	
	Working step time range	(365 * 24) hours / work step	Supported in time format: 00:00:00:00 (h, min, s, ms)
Data logging	Data recording conditions	Minimum time interval: 100ms	
		Minimum voltage interval: 10 mV	
		Minimum current interval: range 1:0.2 mA; range 2:1 mA; range 3:12 mA; Range 4:24 mA	
	Record frequency	10Hz	
Charge	Charging mode	Constant current charging, constant voltage charging, constant current constant pressure charging, constant power charging	
	Cut-off condition	Voltage, current, relative time, capacity, energy, - Δ V	
Discharge	Discharge mode	Constant current discharge, constant voltage discharge, constant current constant voltage discharge, constant power discharge, constant resistance	

		discharge
	Cut-off condition	Voltage, current, relative time, capacity, and energy
Pulse mode	Charge	Constant current mode, constant power mode
	Discharge	Constant current mode, constant power mode
	Minimum pulse width	500ms
	Pulse number	A single pulse working step was supported for 32 different pulses
	Continuous charge / discharge charge switching	A pulse step can realize continuous charging switching or discharge switching; (charge-to-charge switching is not supported)
	Cut-off condition	Voltage, and relative time
DCIR test	Support for custom taking points for the calculation of DCIR	
Recurrence	Circulating test range	1 to 65,535 times
	Single cycle step number	254
	Loop nesting	With nesting cycle function, up to 3-layer nesting support
Protect		<ul style="list-style-type: none"> <li>● Power-loss data protection</li> <li>● It has the offline test function</li> <li>● Safety protection conditions can be set, setting parameters include: voltage upper limit, voltage lower limit, current upper limit, current lower limit, capacity upper limit, delay time, with reverse contact protection function</li> </ul>
IP levels of protection	Protection level is IP20	
Channel characteristics	The constant current source and the constant voltage source adopt a double closed-loop structure	
Channel control mode	independent control	
Voltage and current detection and sampling	Four-line connection	
Noise	<85dB	
Data base	The MySQL database was used to centralize the test data	
Upper-computer communication mode	Based on the TCP / IP protocol	
Server operating system	Windows 7 Windows 10	
Data output mode	EXCEL2003,2010、 TXT	
Server disk configuration	500GB	
CI	internet access	
Leakage current	<5μA	
Number of machine channels	8	

Equipment working environment requirements				
Indicator project		Indicator parameters		
Operating temperature range		0°C ~40°C (within 25 ± 10°C, guarantee measurement accuracy: accuracy drift 0.005% of FS /°C)		
Storage temperature range		-10°C~50°C		
Relative humidity range of the working environment		70% RH (no moisture condensation)		
Storage environment relative humidity range		80% RH (no moisture condensation)		
Grilamp specifications and dimensions				
Indicator project		Indicator parameters		
Types of fixtures		Crocodile fixtures		
Clip image				
	Crocodile fixtures		Polymer fixtures	
	Line nose fixture 			
Pictures are for reference only, subject to the physical object				
Case size per unit (W * D * H) (mm)		3U (19" ) , 483*563*130 (-S1) /483*518*130 (-204n)		
Device pictures				
	Pictures are for reference only, subject to the physical object			