





BTS-5V6A four-range Battery Testing System			
Equipment material code		CT-4008Q-5V 6A-164	
Indicator project		Indicator parameters	
Enter the power supply		AC 220V ±10% / 50Hz	
Input active power		400W	
Resolution ratio		AD : 24bit; DA: 16bit	
Input impedance		≥1MΩ	
Voltage	Constant voltage range control	25mV~5V	
	Minimum discharge voltage	Upper and lower fixture 1V, 2m line length 1.5V	
	Accuracy	± 0.02% of FS	
	Stability	± 0.02% of FS	
Current	Output range per channel	Range 1:0.5 mA ~ 100 mA; Range 2:100 mA ~ 500 mA; Range 3:500 mA ~ 3 A; Range 4:3A~6A	
	Accuracy	± 0.02% of FS	
	Constant pressure cut-off current	Range 1:0.2 mA; Range 2:1 mA; Range 3:6 mA; Range 4:12 mA	
	Stability	± 0.02% of FS	
Power	Single-channel maximum output power	30W	
	stability	± 0.02% of FS	
Time	Current response time (10% FS to 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 sampling time: 100ms	
		Minimum sampling voltage: 10 mV	
		Minimum current interval: Range 1:0.2 mA; Range 2:1 mA; Range 3:6 mA; Range 4:12 mA	
Record frequency	10Hz		
Charge	Charging mode	Constant current charging, constant voltage charging, constant current constant voltage charging, constant power charging	
	Cut-off condition	Voltage, current, relative time, capacity, - 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, and capacity
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	● Power-loss data protection	
	● It has the offline test function	
	● Safety protection conditions can be set, setting parameters include: voltage limit, voltage limit, current limit, current limit, capacity limit, delay time	
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	<55dB	
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 (in the range of 25 ± 5°C, guarantee the 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	Polymer 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*404*130		
Device pictures			
	Pictures are for reference only, subject to the physical object		