

BTS-5V	100mA Four-I	Range Battery Testing System
Equipment	model	CT-8002Q -5V 100m A -124
Indicator pr	oject	Indicator parameters
Input power	supply	AC 220V ±10% / 50Hz
Input power		25 W
Resolution ratio		AD: 24bit; DA: 16bit
Input impedence		≥1GΩ
77-14	Voltage range per channel	10mV~5V
	Minimum discharge voltage	-5 V
	Accuracy	± 0.01% of F.S.
	Stability	± 0.01% of F.S.
	Current range per channel	Range 1:0.1 mA; range 2:1 mA; range 3:10 mA; range 4:100 mA
Cumont	Accuracy	± 0.02% of F.S.
Current	Constant pressure cut-off current	Range 1: 0.1 μA, range 2: 1 μA, range 3: 10 μA, range 4: 100 μA
	Stability	± 0.02% of F.S.
	Max power per channel	0.5 W
Power	Accuracy	± 0.03% of F.S.
	Stability	± 0.03% of F.S.
Time	Current response time	≤1ms(10% ~ 90% of F.S.)
	Charge and discharge conversion time	≤20ms
	Time range of work step	(365 * 24) hours / work Supported in time format: 00:00:00:00 (h, min, step s, ms)
	Recording conditions	Minimum time interval: 10ms (100Hz)
Data record		Minimum voltage interval: 5 mV
Data record		Minimum current interval: range 1: 0.1 μA, range 2: 1 μA, range 3: 10 μA, range 4: 100 μA
Charge and discharge mode	work pattern	Constant current charge and discharge, constant voltage charge and discharge, constant current and constant voltage charge and discharge, constant power charge and discharge, constant power and constant voltage charge and discharge, pulse charge and discharge, constant

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		resistance charge and discharge, current slope charge and discharge, following mode charge and discharge, etc
	cut-off condition	Voltage, current, relative time, capacity, and energy
Pulse mode	Charge / discharge mode	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 switching of charging, or continuous switching of discharge
	cut-off condition	Voltage, and relative time
	Charge / discharge mode	Constant flow, constant power
Working	cut-off condition	Time, line number
condition	Charge-discharge continuous switching	A pulse working step can achieve continuous switching from charging to discharging
	Limit the number of step files	One million
DCIR test	Support for custom ta	king points for the calculation of DCIR
	Circulating test range	1 to 65,535 times
Recurrence	Single cycle step number	254
	loop nesting	≤3 layer
Protect	Software protection	Power loss data protection, offline test function, safety protection conditions can be set, setting parameters include: voltage upper and lower limit, upper and lower limit of current, delay time, upper limit of capacity, custom variable protection, etc
	Hardware protection	Anti-reverse protection, overpressure protection, overcurrent protection, over temperature protection, emergency stop protection, etc
IP levels of p	protection	Protection level is IP20
Channel cha	racteristics	The constant current source and the constant voltage source adopt a double closed-loop structure
Channel con	trol mode	Independent control
Voltage and sampling	current detection	Four-line connection
Noise		<55dB (measured at 1m)
Data base		The MySQL database was used to centralize the test data
Upper-comp mode	outer communication	Based on the TCP / IP protocol

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Server operating system	Windows 7、Windows 10				
Data output mode	EXCEL, TXT				
Server disk configuration	Above the 500GB				
CI	internet access				
Communication expansion (optional)	Support CAN, RS485 communication and BMS communication, with DBC configuration function				
	Equipment working environment requirements				
Equipment working environment r	requirements				
Equipment working environment r Indicator project	requirements Indicator parameters				
Indicator project Operating temperature range					
Indicator project Operating temperature range	Indicator parameters 0°C ~40°C (within 25 ± 10°C, guarantee measurement accuracy: accuracy				
Indicator project Operating temperature range	Indicator parameters 0°C ~40°C (within 25 ± 10°C, guarantee measurement accuracy: accuracy drift 0.005% of FS /°C)				

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