BTS4000-5V15A Battery Testing Equipment

Equipment material code		CE-4008Q-5V15A	
Indicator project		Indicator parameters	
Enter the power supply		AC 220V ±10% / 50Hz	
Input active power		0.68 kW	
resolution ratio		AD：24bit；DA：16bit	
Input impedence		≥1MΩ	
Voltage	Constant voltage range control	0.025V~5V	
	Minimum discharge voltage	1.5V (2M wire length)	
	accuracy	±0.05% of FS	
	stability	0.1% of FS	
Current	Output range per channel	Range 1: 5mA~300mA; range 2:30mA~3; range 3:60mA~6A range 4:150 mA ~ 15 A;	
	Accuracy	± 0.05% of FS	
	Stability	0.1% of FS	
Power	Single-channel maximum output power	75W	
	Accuracy	±0.1% of FS	
	Stability	0.2% of FS	
Time	Current rise time	Maximum current rise time is 1ms	
	Working step time range	(365 * 24) hours / work step	Time format support 00:00:00 (h, min, s)
Data logging	Data recording conditions	Minimum time interval: 100ms (recording frequency: 10Hz)	
Charge	Charging mode	Constant current charging, constant voltage charging, constant current constant voltage charging, constant power charging	
	Cut-off condition	Main channel: voltage, current, relative time, capacity, - △ V	
Discharge	Discharge mode	Constant current discharge, constant power discharge, constant resistance discharge, constant voltage discharge	
	Cut-off condition	Main channel: voltage, current, relative time, and capacity	
DCIR test	Support for custom taking points for the calculation of DCIR		
Channel parallel	Up to 4 adjacent channels are supported in parallel, and no pulse test is supported in parallel		
Recurren	Circulating test	1 to 65,535 times	

ce	range	
	Single cycle step number	254
	Loop nesting	≤10 layer
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, delay time	
	● Has the function	
Energy saving efficiency		> 65% (compared to conventional equipment)
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		<75dB (measured at 1m)
Data base		The MySQL database was used to centralize the test data
Upper-computer communication mode		Based on the TCP / IP protocol
Server disk configuration		500GB
Data output mode		EXCEL2003,2010、TXT
Server operating system		Windows 7, Windows10 and above version operating system
CI		Network port and CAN communication module support communication with BMS to obtain BMS data (optional)
Equipment working environment requirements		
Indicator project		Indicator parameters
operating temperature range		0℃ ~40℃; guarantee measurement accuracy within the range of calibration temperature (usually 25℃) ± 5℃; accuracy drift 0.005% of FS /℃
Storage temperature range		-10℃~50℃
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		selectable

Fixtures			
	Crocodile fixtures	Polymer fixtures	Line nose fixture
	Pictures are for reference only, subject to the physical object, choose one of the above clips		
Number of channels	8		
Case size per unit	19"2U		
* Note: incompatible test with protective panel battery with soft start function			