

The BTS-5V20A Battery Detection Device												
Unit type:	BTS-	5	V	20	A	Battery detection equipment	Equipment material code:	CT-4008	-5V20A	-	NA	S1
Indicator project						Indicator parameters						
Enter the power supply						AC 220V ±10% / 50Hz						
Input active power						1418 W						
Resolution ratio						AD: 16bit; DA: 16bit						
Input impedance						≥1M Ω						
Voltage	Constant voltage range control					0.025V~5V						
	Minimum discharge voltage					2.5V						
	accuracy					± 0.1% of FS						
	stability					± 0.1% of FS						
Current	Output range per channel					0.1A~20A						
	accuracy					± 0.1% of FS						
	Constant pressure cut-off current					0.04A						
	stability					± 0.1% of FS						
Power	Single-channel maximum output power					100 W						
	Stability					± 0.2% of FS						
Time	Current rise time					Maximum current rise time of 20ms (10% to 90% or 90% to 10%)						
	Working step time range					(365 * 24) hour / step; time format supports 00:00:00.000 (h, min, s, ms)						
Data logging	Data recording conditions					Minimum time interval: 100ms						
						Minimum voltage interval: 10 mV						
	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, -△V						
Discharge	Discharge mode					Constant current discharge, constant power discharge, constant resistance discharge, constant voltage 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						
	Charge and					A pulse working step can achieve continuous switching from charging						

	discharge switch switching	to discharging
	cut-off condition	Voltage, and relative time
DCR test	Support the calculation of custom taking points for DCR	
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	
	Has the function	
IP levels of protection		Protection level, IP 20
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 test data was managed centrally using the MySQL database
Upper-computer communication mode		Based on the TCP / IP protocol
Data output mode		EXCEL 2003/2010, TXT
Server disk configuration		500GB
leakage current		0.005mA
Server operating system		Windows 7
CI		Internet access

Equipment working environment requirements

Indicator project	Indicator parameters
Operating temperature range	0℃~40℃ (within 25 ± 10℃, guarantee measurement accuracy: 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	Line nose fixture		
Clip image			
	Crocodile clamps	Polymer clamps	Line nose clamps

	Pictures are for reference only, subject to the physical object, choose one of the above clips
Case size per unit (W*D*H) (mm)	not have
Number of machine channels	8
Device pictures	Pictures are for reference only, subject to the physical object
Note: incompatible test with protective panel battery with soft start function	