




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, -ΔV				
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	<ul style="list-style-type: none"> ● Power-loss data protection 		
	<ul style="list-style-type: none"> ● It has the offline test function 		
	<ul style="list-style-type: none"> ● Safety protection conditions can be set, setting parameters include: voltage limit, voltage limit, current limit, current limit, capacity limit, delay time 		
	<ul style="list-style-type: none"> ● 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°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	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	