

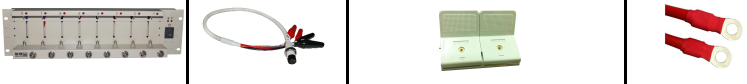
# Technical Specification

2014-12-03

BTS-5V100A		Battery Testing System								
Model:	BTS-	5V	100A	Material Code:	CT-4008	-5V100A	-	NTVFA	-	P
Description		Product Specification								
AC Input		AC 220V±10% 50HZ								
Power		7467			W					
Resolution		AD: 16bit; DA: 16bit								
Impedence Input		≥1MΩ								
Voltage	Measuring Range	Charge: 10mV~5V			Dischrge: 10mV~5V					
	Discharge Min Voltage	10mV								
	Accuracy	± 0.1% of FS								
	Stability	± 0.1% of FS								
Current	Range	Charge: 200mA~100A			Discharge: 200mA~100A					
	Accuracy	± 0.1% of FS								
	Stability	± 0.1% of FS								
Power	Output Power Per Channel	500W								
	Stability	±0.2% of FS								
Time	Rise Time	20ms (0~Full Range)								
	Step Time	≤ (365*24) hours/step			Time Format 00: 00: 00: 000 ( h:min:s:ms )					
Aux Channel	Aux Input	Temperature, Voltage								
	Temperature	- 25°C~110°C								
	Temperature Accuracy	±2°C								
	Temperature Resolution	0.1°C								
	Voltage Range									
	Voltage Accuracy	± 0.1% of FS								
Data Acquisition	Intervals	Time Interval Δt: (100ms~60000s)								
		Voltage Interval ΔU: (10mV~5V)								
		Current Interval ΔI: (200mA~100A)								
	Frequency	10Hz								
Charge	Modes of Operation	CCC, CVC, CC & CVC, CPC								
	End Conditions	Main Channel: Voltage, Current, Test Time, Capacity Aux: Temperature, Voltage								
Discharge	Modes of Operation	CCD, CPD, CRD								
	End Conditions	Main Channel: Voltage, Current, Test Time, Capacity Aux Channel: Temperature, Voltage								
Pulse	Charge	CCC								
	Discharge	CCD								
	Minimum Pulse Width	500ms								
	Automated Switch	Automated switch from charge to discharge for each pulse								

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	End Condition	Voltage, Test Time		
Cycle	Cycles	Max 65535		
	Steps	254		
	Nested Fuction	Max three levels of loops		
Protective Function	Software	<ul style="list-style-type: none"> <li>● Power-off data protection</li> </ul>		
		<ul style="list-style-type: none"> <li>● Off-line Operating</li> </ul>		
<ul style="list-style-type: none"> <li>● Main Channels: user-defined safety(upper and lower)tolerance of current, voltage and delay time</li> </ul>				
<ul style="list-style-type: none"> <li>● Aux Channels: User-defined safety (upper and lower) tolerance of temperature and voltage</li> </ul>				
	Hardware	Reverse-connecting protection		
Channel Features		Independent pairs of closed loops for constant current source and constant voltage source		
Channels		Independent Control		
Detection and Sampling		4-wire Connecting		
Noise Density		<85dB		
Data Management		MYSQL Database		
Communication Means		TCP/IP Protocol		
Export Formats		EXCEL,TXT,Graph		
Communication Interface		Ethernet Port		
Number of Channels Per Cabinet		8		
Assignable Aux Temperature Per Channel		Max 248		
Assignable Aux Voltage Per Channel		Max 248		
<b>Operating Environment</b>				
Description		Product Specification		
Operating Temperature		0℃~40℃		
Storage Temperature		-10℃~50℃		
Operating Humidity		≤70% RH		
Storage Humidity		≤80% RH		
Description		Product Specification		
Battery Holder		Universal Holder		
Holder Picture				
	Universal Holder	Alligator Holder	Polymer Holder	Wiring Terminal
	Picture for reference, please confirm the actual product			
Dimensions (W*D*H) (mm)		3U (164) , 480*330*130		
Equipment Picture		Picture for reference, please confirm the actual product		