




新威 Manufacturer of Battery Testing Equipment
NEWARE Technology Specification

BTS-5V6A		Battery Testing System	
Model:	BTS-5V6A	Material Code:	CT-4008 -5V6A
Description		Product Specification	
AC Input		AC 220V±10% 50Hz	
Power		425	W
Resolution		AD: 16bit; DA: 16bit	
Input Impedance		≥1MΩ	
Voltage	Measuring Range	Charge: 25mV~5V Discharge: 25mV~5V	
	Discharge Min Voltage	1.2V	
	Accuracy	± 0.05% of FS	
	Stability	± 0.05% of FS	
Current	Range	Range1: 0.5mA~0.1A Range2: 0.1A~6A	
	Accuracy	± 0.05% of FS	
	Stability	± 0.05% of FS	
Power	Output Power Per Channel	30W	
	Stability	± 0.1% of FS	
Time	Rise Time	1ms (0~Full Range)	
	Step Time	≤ (365*24) hour/step	Time Format 00: 00: 00: 000 (h:min:s.ms)
Data Acquisition	Intervals	Time interval Δt: (100ms~60000s)	
		Voltage interval ΔU: (10mV~5V)	
		Current interval ΔI: (6mA~6A)	
	Frequency	10Hz	
Charge	Mode of Operation	CCC, CVC, CC & CVC, CPC	
	End Conditions	Voltage, Current, Test Time, Capacity	
Discharge	Mode of Operation	CCD, CPD, CRD	
	End Conditions	Voltage, Current, Test Time, Capacity	
Pulse mode	Charge	CR mode、CP mode	
	Discharge	CC mode、CP mode	
	Min pulse width	500ms	

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	Automated Switch	Automated switch from charge to discharge for each pulse
	End Condition	Voltage、Relative Time
DCIR	Support for the calculation of the point of the DCIR	
Cycle	Cycles	65535
	Steps	254
	Nested Function	Max three levels of loops
Protective Function	Software	<ul style="list-style-type: none"> • Power-off data protection • Off-line Operating • User-defined safety(upper and lower)tolerance of current, voltage and delay time
Channel Features		Independent pairs of closed loop 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		EXCEL2003/2010, TXT, Graph
Communication Interface		Ethernet Port
Number of Channels Per Cabinet		8
Operating Environment		
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	 	

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	Polymer Clip	Alligator Clip
	Picture for reference, please confirm the actual product	
Dimensions (W*D*H) (mm)	3U (19) , 480*330*130	
Equipment Picture		
	Picture for reference, please confirm the actual product	