




BTS4000-5V15A Battery Testing System			
SN:		CT-4008Q-5V15A-S1	
Items		Values	
Input AC		AC 220V \pm 10% / 50Hz	
Input power		860	W
Resolution		AD: 24 bit; DA: 16bit	
Input impedance		\geq 100M Ω	
Voltage	CV output range	25mV~5V	
	Min discharge voltage	2V(2m wire)	
	Accuracy	\pm 0.02% of FS	
	Stability	\pm 0.04%of FS	
Current	Output range/channel	Range1: 300mA; Range2: 3A;Range3: 6A;Range4:15A	
	Minimum output current	0.5% of FS (each independent range)	
	Accuracy	\pm 0.05% of FS	
	CV cut-off current	\pm 0.2% of FS (each independent range)	
	Stability	0.1% of FS	
Power	Output power/channel	75	W
	Accuracy	\pm 0.07% of FS	
	Stability	\pm 0.14% of FS	
Time	Current response time	\leq 1ms (10% ~ 90% of FS)	
	Charge-discharge conversion time	\leq 10ms (-90% ~ 90% of FS)	
	Working step time	\leq (365*24)h/step	Timeformat-00: 00: 00.000(h、m、s、ms)
Data record	Frequency	10Hz (Minimum time interval: 100ms)	
Charge	Charge modes	CC、CV、CCCV、CP、PCD、CRD、FMD	
	Cut-off condition	Voltage、Current、Time、Capacity、 $-\Delta$ V、Custom Variable etc.	
Discharge	Discharge modes	CC、CV、CCCV、CP、PCD、CRD、FMD	
	Cut-off condition	Voltage、Current、Time、Capacity、 $-\Delta$ V、Custom Variable etc.	
Pulse	Charge	CC、CP	
	Discharge	CC、CP	
	Min pulse width	100ms	

	Pulse counts	Up to 32	
	Chg and Dischg switch	Supported	
	Cut-off condition	Voltage、 Time	
DCIR		Supported	
Cycle	Max cycles	1~65535	
	Max steps	≤255	
	Cycle nest	<10 layers	
Protection	Software protection	<ul style="list-style-type: none"> ●Power-off data protection ●Off-line operation mode ●User-defined protection conditions, such as upper and lower limited current/voltage, upper capacity limit, delay time, custom variable protection etc. 	
	Hardware protection	Reverse connection, overvoltage, overcurrent, overtemperature, emergency stop protection, etc	
IP (Ingress Protection) Rating		IP20	
Channels feature		Independent pairs of closed loop for constant	
Channels control mode		Independent control	
Data acquisition method		Kelvin connection	
Noise		< 75dB (measured at 1m distance)	
CPU requirements		Pentium dual-core or above, frequency above 4G.	
Memory		16G or above is recommended	
Database		MySQL	
Communication		TCP/IP	
Operating system		Windows7/10	
Data export		EXCEL、 TXT、 CSV、 PDF、 Plot/Graph	
Disk drive		500GB	
Communication expansion(optional)		Supports CAN,RS485,and BMS communication, with DBC configuration function	
Channels per unit		8	
Operation and storage environment requirement			
Items		Values	
Operation environment temperature		0℃~40℃ (Whenthe temperature is 25±10℃, the accuracy error caused by temperature change is less than 50ppm/℃)	
Storage environment temperature		-10℃~50℃	

Operation environment humidity		≤70%RH(no moisture condensation)	
Storage environment humidity		≤80%RH(no moisture condensation)	
Clamps and dimensions			
Items		Values	
Clamps types		Dimensions (W*D*H) (mm)	
Clamps pictures			
	Alligator		Polymer
			
		cable lug Clamp	
Pictures just for reference			
Dimensions (W*D*H) (mm)			
Tester pictures			
Pictures just for reference			