



BTS-6004A-5V600A-H Battery Testing System		
Tester (Image for reference only)	NEWARE YEAR AND A STATE OF THE	
Dimension	600*660*1350 (mm)	
Weight	Around 173KG	
Cable Length By Default	3.0m (conneting to battery rack or insert to environmental chamber	rs)
	□ Polymer pouch-cell clamps	
Clamp Selection (Image for reference only)	☐ Cylindrical-cell holder - diameter: Ø mm - height: mm - poles on same / opposite side	
	☐ Prismatic-cell holder - size: W*D*H (mm) - poles on same / opposite side - need technical sketch	
Auxiliary Unit Add-on (Optional)	☐ (8CH voltage + 8CH Temperature) per unit	
CAN Box Unit Add-on (Optional)	☐ CAN, RS485, BMS communication, with DBC configuration function	



Channel Information			
Items		Values	
Channel counts		4 channels	
Channel Feature		CC source and CV source dual closed loop control	
Channel ccontrol mod	de	Independent control	
Channel parallel conr	nection	Support max. 4 channels parallel mode (Pulse and SIM tests will be disabled in channels parallel mode.)	
Power Grid Requirement			
Items		Values	
Input power		3Phase 380Vac or 208Vac ±15% 50/60±5Hz	
Power factor		≥99%(Full load)	
THDi		≤5%(Full load)	
Input resistance		≥1MΩ	
Input power		17.1kW	
Input current		26.0A/phase for 380V system 47.6A/phase for 208V system	
Overall system efficiency(Max)		75%	
Noise		≤65dB	
Voltage and current sampling		Four-wire Kelvin connection (same port for charging and discharging)	
Power control module type		MOSFET	
Input power wiring method		Three-phase five-wire (3W+N+PE)	
Power input protection		Anti-surge, anti-silos, anti over or under frequency, anti over or under voltage, anti phase absence, etc.	
Function & Perf	Function & Performance		
Items		Values	
Outpu	ıt range	0V∼5V	
Min d	ischarge V	1.5V	
Voltage Accura	асу	±0.05% of FS	
Resolu	ution	24bit	
Outpu	it range	Range 1: 75A Range 2: 150A Range 3: 300A Range 4: 600A	
Accura	асу	±0.05% of FS	
Current CV cut	t-off current	R1: 75mA R2: 150mA R3: 300mA R4: 600mA	
Resolu	ution	24bit	



Power	Output power / CH	3kW
	Whole machine output power	12kW
	Current response	≤3ms
Time	Current conversion	≤6ms
	Min. step time	0.1s
Charge &	Charge modes	CCC / CVC / CC-CVC / CPC
Discharge	Discharge modes	CCD / CVD / CPD / CRD
Mode	Cut-off condition	Voltage / Current / Δ Time / Capacity / - Δ V
	Charge	Current, Power
	Discharge	Current, Power
Simulation	Switch	Support continuous switching between charge and discharge
	Cut-off condition	Time, step line
	Steps file lines	1,000,000
	Charge	Current ,power
	Discharge	Current ,power
Destar	Min pulse width	50ms
Pulse Mode	Pulse counts	Up to 32
Mode	Charge & discharge switch	Supported
	Cut-off condition	Voltage, ΔTime
DCIR		DCIR by calculation
	Software Protection	Power-off data protection
		Offline mode function
Safety Protection		voltage lower limit ,voltage upper limit ,current lower limit , current upper limit ,delay time, etc.
	Hardware Protection	Anti-reverse connection, over-voltage, over-current, over-temperature, etc.





Data Management and Analysis		
Items		Values
Step setting method		Form editing
	Recording Conditions	Minimum time interval: 10ms When connected with AUX channel: 100ms
Data report		Minimum voltage interval: 10mV
		Minimum current interval: R1: 150mA R2: 300mA R3: 600mA R4: 1200mA
	Recording frequency	100Hz (when connected with AUX channel: 10Hz)
Database		MySQL database
Data export		EXCEL / TXT / CSV / PDF / Plot / Graph
Curve type		Templates available, customization supported
Day and ass	nning	Support bar-code scanning function
Bar code sca	nning	Management and traceability of historical data
Communication		
Items		Values
Host comput	er communication	TCP/IP protocol
Communication port		Ethernet port
Tester comm	nunication baud rate	1M
Host commu	nication baud rate	10M~100M adaptive
Communicat	ion setup	Set up a LAN (local area network) through switches and routers
Operating system		
Operating sy	stem	Windows 7/8/10 64bit
		ronment requirement
Operation	n and storage envi	ronment requirement
Operation Items Operationen temperature	n and storage envi	values -10~40°C (Limiting temperature)
Operation Items Operationen temperature Storage envi	n and storage envi	ronment requirement Values -10~40°C (Limiting temperature) 25±10°C (Guaranteed accuracy of 0.005% of FS/°C)





Auxiliary Unit Add-on (Optional)			
Items		Values	
Description		It is used to monitor the temperature of the battery surface or the tabs during the test. The aux test data can be bound with the main voltage and current data. At the same time, the measured temperature can be used as the control condition and protection condition of the test profiles.	
	Temp. range	Thermocouple: -70~260°C	
Temp. Aux	Temp. accuracy	±1°C	
	Temp. resolution	0.1°C	
Voltage Aux channels	Voltage range	0~5V	
	Voltage accuracy	±0.05% of FS	
	Voltage resolution	0.1mV	