





| BTS4000-20V6A Battery testing system | | | | | | | | | | | |
|--------------------------------------|---|--|---|---|---|------------------------|-----|---------|--------|---|----|
| Model: | BTS4000- | 20 | V | 6 | A | Battery testing system | SN: | CT-4008 | -20V6A | - | NA |
| Items | | Values | | | | | | | | | |
| Input AC | | AC 220V/110V \pm 10% / 50Hz | | | | | | | | | |
| Input power | | 1337 W | | | | | | | | | |
| Resolution | | AD: 16bit; DA: 16bit | | | | | | | | | |
| Input impedance | | \geq 1M Ω | | | | | | | | | |
| Voltage | CV output range | 0.1V~20V | | | | | | | | | |
| | Min discharge voltage | 2.5V | | | | | | | | | |
| | Accuracy | \pm 0.1% of FS | | | | | | | | | |
| | Stability | \pm 0.1% of FS | | | | | | | | | |
| Current | Output range/channel | 0.03A~6A | | | | | | | | | |
| | Accuracy | \pm 0.1% of FS | | | | | | | | | |
| | CV cut-off current | 0.012A | | | | | | | | | |
| | Stability | \pm 0.1% of FS | | | | | | | | | |
| Power | Output power/channel | 120 | W | | | | | | | | |
| | Stability | \pm 0.2% of FS | | | | | | | | | |
| Time | Current response time | Max rising time:20ms | | | | | | | | | |
| | Working step time | \leq (365*24)h/step Time format-00: 00: 00.000(h、m、s、ms) | | | | | | | | | |
| Data Record | Data record conditions | Min data record interval:100ms | | | | | | | | | |
| | | Min voltage change: 40mV | | | | | | | | | |
| | | Min current change: 12mA | | | | | | | | | |
| | Frequency | 10Hz | | | | | | | | | |
| Charge | Charge modes | CC、CV、CCCV、CP、CCCV for battery pack | | | | | | | | | |
| | Cut-off condition | Voltage、Current、Time、Capacity、 $-\Delta$ V | | | | | | | | | |
| Discharge | Discharge modes | CC、CP、CR | | | | | | | | | |
| | Cut-off condition | Voltage、Current、Time、Capacity、 $-\Delta$ V | | | | | | | | | |
| Pulse | Charge | CC、CP | | | | | | | | | |
| | Discharge | CC、CP | | | | | | | | | |
| | Min pulse width | 500ms | | | | | | | | | |
| | Pulse counts | Up to 32 | | | | | | | | | |
| | Chg and Dischg switch | Supported | | | | | | | | | |
| | Cut-off condition | Voltage、Time | | | | | | | | | |
| DCIR | Supported | | | | | | | | | | |
| CH parallel | If output current > 100A, then supported, in parallel mode pulse function is disabled | | | | | | | | | | |
| Cycles | Max cycles | 65535 | | | | | | | | | |
| | Max steps | 254 | | | | | | | | | |
| | Nest | 3 | | | | | | | | | |

| | | | | |
|--|---------------------|--|---|---|
| Protection | Safety 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, delay time, temperature, etc. | | |
| | Hardware protection | Fooproof protection with hardware protection level IP20 | | |
| Channels feature | | Independent pairs of closed loop for constant | | |
| Channels control mode | | Independent control | | |
| Data acquisition method | | Kelvin connection | | |
| Noise | | <85dB | | |
| Database | | MySQL | | |
| Communication | | TCP/IP | | |
| Data Export | | EXCEL、TXT、CSV、PDF、Plot/Graph | | |
| Disk space | | 500GB | | |
| Leak current | | 0.02mA | | |
| Operation system | | Windows 7/8/10 64bit | | |
| Communication port | | Ethernet port | | |
| Operation and storage environment requirement | | | | |
| Items | | Values | | |
| Operation environment temperature | | 0°C~40°C (When the temperature is 25±10°C, the accuracy error caused by temperature change is less than 50ppm /°C) | | |
| Storage environment temperature | | -10°C~50°C | | |
| Operation environment humidity | | ≤70% RH(no moisture condensation) | | |
| Storage environment humidity | | ≤80% RH(no moisture condensation) | | |
| Clamps and dimensions | | | | |
| Items | | Values | | |
| Tester Pictures (Pictures just for reference) | |  | | |
| Clamps pictures (Pictures just for reference) | |  |  |  |
| Clamps types | | Alligator | Polymer | Ring |
| Dimensions (W*D*H) (mm) | | 3U2F, 480*400*130 | | |