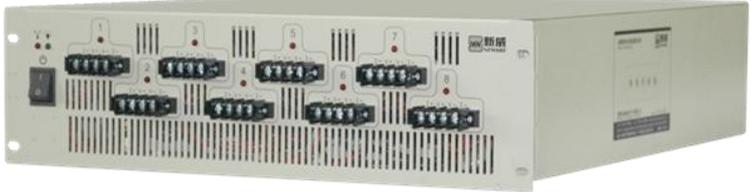


| BTS4000-5V30A Battery testing system | | | | | | | | | |
|--------------------------------------|-----------------------|---|---|------|--|------------------------|-----|----------|--------|
| Model: | BTS4000- | 5 | V | 30 | A | Battery testing system | SN: | CTE-4008 | -5V30A |
| Items | | | | | Values | | | | |
| Input AC | | | | | AC 220V ±10% / 50Hz | | | | |
| Input power | | | | | 1714 | W | | | |
| Resolution | | | | | AD: 16bit; DA: 16bit | | | | |
| Input Impedance | | | | | ≥100kΩ | | | | |
| Voltage | CV output range | | | | 0.025V~5V | | | | |
| | Min discharge voltage | | | | 0V | | | | |
| | Accuracy | | | | ± 0.05% of FS | | | | |
| | Stability | | | | ± 0.05% of FS | | | | |
| Current | Output range/channel | | | | Range1: 15mA~3A ; Range2: 3A~30A | | | | |
| | Accuracy | | | | ± 0.05% of FS | | | | |
| | CV cut-off current | | | | Range1: 6mA ; Range2: 60mA | | | | |
| | Stability | | | | ± 0.05% of FS | | | | |
| Power | Max power/channel | | | | 150W | | | | |
| | Stability | | | | ±0.1% of FS | | | | |
| Time | Current response time | | | | Max current response time<20ms | | | | |
| | Working step time | | | | ≤(365*24)hour/step, Time format: 00:00:00.000(h,m,s,ms) | | | | |
| Data | Data record interval | | | | Min data record interval: 0.1s | | | | |
| | | | | | Min voltage record: 10mV | | | | |
| | | | | | Min current record: Range1:6mA, range2: 60mA | | | | |
| Max frequency | | | | 10Hz | | | | | |
| Charge | Charge modes | | | | CC、CV、CCCV、CP | | | | |
| | Cut-off conditions | | | | Voltage、Current、Time、Capacity、-ΔV | | | | |
| Discharge | Discharge modes | | | | CC、CP、CR | | | | |
| | Cut-off conditions | | | | Voltage、Current、Time、Capacity | | | | |
| Energy-saving Efficiency | | | | | >65% | | | | |
| Cycle | Max cycles | | | | Max 65535 | | | | |
| | Max steps | | | | Max 254 | | | | |
| | Max cycle nest | | | | Max 3 | | | | |
| Protection | | | | | ● 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 | | | | | Foolproof protection with hardware protection level IP20 | | | | |

| | | | |
|--|--|---|---|
| Channels feature | Independent pairs of closed loop for constant current source and constant voltage source. | | |
| Channels control mode | Independent control | | |
| Data acquisition method | Kelvin connection | | |
| Noise | <75dB | | |
| Database | MySQL | | |
| Communication | TCP/IP | | |
| Harddrive space requirement | 500GB | | |
| Data export | EXCEL、TXT、CSV、PDF、Plot/Graph | | |
| Operating system | Windows 7/8/10 64 bit | | |
| 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 | | |
| Clamps picture (Pictures just for reference) |  |  |  |
| | Alligator | Polymer | Ring connector |
| Channels per unit | 8 | | |
| Dimension (W*D*H) (mm) | 3U3F, 480*730*130 | | |
| Tester picture (Pictures just for reference) |  | | |