

| BTS4000-5V6A Battery testing system |                                           |   |   |   |                                                                                                                      |                        |  |     |          |       |     |
|-------------------------------------|-------------------------------------------|---|---|---|----------------------------------------------------------------------------------------------------------------------|------------------------|--|-----|----------|-------|-----|
| Model:                              | BTS4000-                                  | 5 | V | 6 | A                                                                                                                    | Battery Testing System |  | SN: | CT-4008T | -5V6A | -S1 |
| Items                               |                                           |   |   |   | Values                                                                                                               |                        |  |     |          |       |     |
| Input AC                            |                                           |   |   |   | AC 220V/110V ±10% / 60Hz                                                                                             |                        |  |     |          |       |     |
| Input power                         |                                           |   |   |   | 425 W                                                                                                                |                        |  |     |          |       |     |
| Resolution                          |                                           |   |   |   | AD: 24bit; DA: 16bit                                                                                                 |                        |  |     |          |       |     |
| Input impedance                     |                                           |   |   |   | ≥1MΩ                                                                                                                 |                        |  |     |          |       |     |
| Voltage                             | CV output range                           |   |   |   | 25mV~5V                                                                                                              |                        |  |     |          |       |     |
|                                     | Min discharge voltage                     |   |   |   | 1V for universal holder,1.5V for 2m cable                                                                            |                        |  |     |          |       |     |
|                                     | Accuracy                                  |   |   |   | ± 0.05% of FS                                                                                                        |                        |  |     |          |       |     |
|                                     | Stability                                 |   |   |   | ± 0.05% of FS                                                                                                        |                        |  |     |          |       |     |
| Current                             | Output range/channel                      |   |   |   | Range1: 0.5mA-0.1A; Range2: 0.1A-3A; Range3: 3A-6A                                                                   |                        |  |     |          |       |     |
|                                     | Accuracy                                  |   |   |   | ± 0.05% of FS                                                                                                        |                        |  |     |          |       |     |
|                                     | CV cut-off current                        |   |   |   | Range1: 0.2mA; Range2: 6mA; Range3: 12mA                                                                             |                        |  |     |          |       |     |
|                                     | Stability                                 |   |   |   | ± 0.05% of FS                                                                                                        |                        |  |     |          |       |     |
| Power                               | Output power/channel                      |   |   |   | 30                                                                                                                   | W                      |  |     |          |       |     |
|                                     | Stability                                 |   |   |   | ± 0.1% FS                                                                                                            |                        |  |     |          |       |     |
| Time                                | Current response time                     |   |   |   | <1ms (10%FS~90%FS)                                                                                                   |                        |  |     |          |       |     |
|                                     | Working step time                         |   |   |   | ≤(365*24)h/step Timeformat-00:00:00.000(h, m, s, ms)                                                                 |                        |  |     |          |       |     |
| Data record                         | Data record conditions                    |   |   |   | Min data record interval: 100ms                                                                                      |                        |  |     |          |       |     |
|                                     |                                           |   |   |   | Min voltage change: 10mV                                                                                             |                        |  |     |          |       |     |
|                                     |                                           |   |   |   | Min current change: 0.2mA; 6mA; 12mA;                                                                                |                        |  |     |          |       |     |
|                                     | Frequency                                 |   |   |   | 10Hz                                                                                                                 |                        |  |     |          |       |     |
| Charge                              | Charge modes                              |   |   |   | CC, CV, CCCV, CP                                                                                                     |                        |  |     |          |       |     |
|                                     | Cut-off condition                         |   |   |   | Voltage, Current, Time, Capacity, Energy, -△V                                                                        |                        |  |     |          |       |     |
| Discharge                           | Discharge modes                           |   |   |   | CC, CV, CCCV, CP, CR                                                                                                 |                        |  |     |          |       |     |
|                                     | Cut-off condition                         |   |   |   | Voltage, Current, Time, Capacity, Energy                                                                             |                        |  |     |          |       |     |
| Pulse                               | Charge                                    |   |   |   | CC, CP                                                                                                               |                        |  |     |          |       |     |
|                                     | Discharge                                 |   |   |   | CC, CP                                                                                                               |                        |  |     |          |       |     |
|                                     | Min pulse width                           |   |   |   | 500ms                                                                                                                |                        |  |     |          |       |     |
|                                     | Pulse counts                              |   |   |   | Up to 32                                                                                                             |                        |  |     |          |       |     |
|                                     | Chg and Dschg switch                      |   |   |   | Supported                                                                                                            |                        |  |     |          |       |     |
|                                     | Cut-off condition                         |   |   |   | Voltage, Time                                                                                                        |                        |  |     |          |       |     |
| DCIR                                | Calculated DCIR values available in BTSDA |   |   |   |                                                                                                                      |                        |  |     |          |       |     |
| Cycle                               | Max cycles                                |   |   |   | 65535                                                                                                                |                        |  |     |          |       |     |
|                                     | Max steps                                 |   |   |   | 254                                                                                                                  |                        |  |     |          |       |     |
|                                     | Cycle nest                                |   |   |   | 3                                                                                                                    |                        |  |     |          |       |     |
| Protection                          | Safety protection                         |   |   |   | ● Power-failure data protection                                                                                      |                        |  |     |          |       |     |
|                                     |                                           |   |   |   | ● Offline operation mode                                                                                             |                        |  |     |          |       |     |
|                                     |                                           |   |   |   | ● User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc. |                        |  |     |          |       |     |

|                                               |                                                                                                          |                                                                                      |                                                                                       |                                                                                       |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Channels feature                              | Independent pairs of closed loop for constant current and voltage                                        |                                                                                      |                                                                                       |                                                                                       |
| Channels control mode                         | Independent control                                                                                      |                                                                                      |                                                                                       |                                                                                       |
| Data acquisition method                       | Kelvin connection                                                                                        |                                                                                      |                                                                                       |                                                                                       |
| Noise                                         | <55dB                                                                                                    |                                                                                      |                                                                                       |                                                                                       |
| Database                                      | MySQL                                                                                                    |                                                                                      |                                                                                       |                                                                                       |
| Communication                                 | TCP/IP                                                                                                   |                                                                                      |                                                                                       |                                                                                       |
| Operating system                              | Windows 7/8/10                                                                                           |                                                                                      |                                                                                       |                                                                                       |
| Data export                                   | EXCEL, TXT, CSV, PDF, Plot/Graph                                                                         |                                                                                      |                                                                                       |                                                                                       |
| Min. disk drive                               | 500GB                                                                                                    |                                                                                      |                                                                                       |                                                                                       |
| Communication port                            | Ethernet port                                                                                            |                                                                                      |                                                                                       |                                                                                       |
| Leak Current                                  | <5μA                                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| Channels per unit                             | 8                                                                                                        |                                                                                      |                                                                                       |                                                                                       |
| Operation and storage environment requirement |                                                                                                          |                                                                                      |                                                                                       |                                                                                       |
| Items                                         | Values                                                                                                   |                                                                                      |                                                                                       |                                                                                       |
| Operation environment temperature             | 0℃~40℃ (When the temperature is 25±10℃, the accuracy offset caused by temperature 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                                                                                                   |                                                                                      |                                                                                       |                                                                                       |
| Tester pictures                               |                      |                                                                                      |                                                                                       |                                                                                       |
| Clamps pictures                               |                       |  |  |  |
|                                               | Universal holder                                                                                         | Alligator                                                                            | Polymer                                                                               | Ring connector                                                                        |
|                                               | Pictures just for reference                                                                              |                                                                                      |                                                                                       |                                                                                       |
| Dimensions(W*D*H)(mm)                         | 3U（19"）, 483*404*130                                                                                     |                                                                                      |                                                                                       |                                                                                       |