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| Model: | EVT6000- | 300 | V | 100 | A | Battery test system | SN: | CE-6001 | n | -300V100A |
| Parameters of power grid connection | | | | | | | | | | |
| Input AC | | | | | | AC 380V ±15% | | | | |
| Input voltage range | | | | | | AC 323~437 V | | | | |
| AC power grid frequency | | | | | | 50/60 ±5Hz | | | | |
| AC power factor | | | | | | >0.99 | | | | |
| Current harmonic ratio | | | | | | <5%@380Vac full load | | | | |
| Input Impedance | | | | | | ≥1MΩ | | | | |
| Input power | | | | | | 35.3 KW | | | | |
| Input current | | | | | | 53.6 A/Phase | | | | |
| Efficiency | | | | | | 90% | | | | |
| Working noise level (Distance 3m) | | | | | | ≤65dB | | | | |
| Data acquisition method | | | | | | Kelvin connection | | | | |
| Power control module | | | | | | MOSFET | | | | |
| AC power supply wires | | | | | | 3W+PE | | | | |
| Channels information | | | | | | | | | | |
| Channels number | | Channel numbers in one set | | | 1 | | | | | |
| Main channel | | Channels feature | | | Independent pairs of closed loop for constant current source and constant voltage source. | | | | | |
| | | Channels working mode | | | Independent control | | | | | |
| Parameters of output | | | | | | | | | | |
| Voltage | | Output range(Charge) | | | 0V~300V | | | | | |
| | | Output range(Discharge) | | | 5V~300V | | | | | |
| | | Min discharge voltage | | | 5V | | | | | |
| | | Accuracy | | | ± 0.05% of FS | | | | | |
| | | Resolution | | | 24bit | | | | | |
| Current | | Output range | | | 0.5A~100A | | | | | |
| | | Accuracy | | | ± 0.05% of FS | | | | | |
| | | Resolution | | | 24bit | | | | | |
| Output power | | | | | | 30KW | | | | |
| DCIR | | | | | | Supported | | | | |
| Time | | Current response time | | | ≤3ms (10% to 90% Load) | | | | | |
| | | Current switching time | | | ≤6ms (10% to 90% Load) | | | | | |
| Charge modes | | | | | | CC, CV, CCCV, CP, Pulse, SIM, etc. | | | | |

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| Charge/Discharge modes | Discharge modes | CC, CP, CV, CCCV, Pulse. |
| | Cut-off condition | Voltage, Current, Δ Time, Capacity, Δ V |
| Simulation | Charge | Current, Power |
| | Discharge | Current, Power |
| | Chg and Dischg switch | Supported |
| | Cut-off condition | Time, Step line |
| | Steps file lines | 1,000,000 |
| Pulse Modes | Charge | Current, Power |
| | Discharge | Current, Power |
| | Min pulse | 100ms |
| | Pulse counts | up to 32 |
| | Chg and Dischg switch | Supported |
| | Cut-off condition | Voltage, Time |
| Protection | Safety protection | <ul style="list-style-type: none"> • Power-off data protection |
| | | <ul style="list-style-type: none"> • Off-line operation mode |
| | | <ul style="list-style-type: none"> • User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc. |
| | Hardware protection | Anti-reverse connection, over voltage/current/temperature, etc |
| Manage and Analysis Data | | |
| Data record | Safety protection | Min data record interval:10ms |
| | | Min voltage change: 0.6V |
| | | Min current change: 0.2A |
| | Frequency | 10Hz |
| Database | MySQL | |
| Data Export | XLS, PDF,TXT, Plot/Graph | |
| Communication | | |
| Communication protocols | TCP/IP | |
| Communication port | Ethernet/COM(between channels) | |
| Communication extension | CAN, RS485 | |
| Working environment | | |
| Operation environment temperature | -10°C~40°C (When the temperature is 25±10°C, the accuracy error caused by temperature change is less than 0.005% of FS /°C) | |
| Storage environment temperature | -20°C~50°C | |
| Operation environment humidity | ≤70% RH(no moisture condensation) | |

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| Storage environment humidity | ≤80% RH(no moisture condensation) |
| Clamps and dimensions | |
| Dimension (W*D*H) (mm) | 1200*1100*1800(mm) |
| <p>Tester Picture (Pictures just for reference)</p> |  |
| <p>Communication extension (Pictures just for reference)</p> |  <p style="text-align: center;">Ring connector</p> |