



# AT 2527 BATTERY TESTER

## /L/A/B/H/K/S

CHINESE/ENGLISH  
OPERATION

264 (W) \* 107 (H) \* 350 (D)  
UNIT: mm

Weight: 3kg

## AC resistance/DC voltage

### Provide 2000V test solutions for the energy storage industry

- Built in sorting comparator
- Special instrument for energy storage power battery

The AT2527 series battery internal resistance tester uses a high-performance 32-bit ARM microprocessor to control the automatic real-time detection of micro Type A bench instrument. The instrument adopts full true color LCD display and full touch operation, a new instrument interactive experience.

The instrument can test the resistance of 0.0001mΩ~3.3kΩ, the direct current voltage of 0.00001V~2000.00V, the maximum electrical resistance of 33,000 display digits, and the maximum voltage of 200000 display digits. The AT2527 offers both high precision, high resolution and ultra-high speed measurements, providing 0.5%



■ Power requirements 85V-240VAC, 50Hz~400Hz Power: 20VA

resistance accuracy and 0.01% voltage accuracy, with a maximum measurement speed of 55 times per second.

| MODEL          | AT2527L  | AT2527A                   | AT2527                    | AT2527B                   | AT2527H                   | AT2527K                   | AT2527S                   |
|----------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Parameter      | AC resistance, DC voltage  |                           |                           |                           |                           |                           |                           |
| Accuracy       | R: 0.5% ; V: 0.01%   |                           |                           |                           |                           |                           |                           |
| Voltage        | 0.00001V<br>~<br>60.0000V  | 0.00001V<br>~<br>200.000V | 0.00001V<br>~<br>400.000V | 0.00001V<br>~<br>800.000V | 0.00001V<br>~<br>1000.00V | 0.00001V<br>~<br>1500.00V | 0.00001V<br>~<br>2000.00V |
| Resistance     | 0.0001mΩ~3.3000kΩ  |                           |                           |                           |                           |                           |                           |
| Signal Source  | AC 1kHz  |                           |                           |                           |                           |                           |                           |
| Range          | 7 range automatic, manual, and nominal (the instrument will automatically select the optimal range based on the nominal value) |                           |                           |                           |                           |                           |                           |
| Test Speed     | Slow 4 t/s ; Medium 8 t/s; Fast 20 t/s ; ExFast 55 t/s   |                           |                           |                           |                           |                           |                           |
| Result display | Direct reading, sorting results  |                           |                           |                           |                           |                           |                           |
| Max display    | R: 31,000 ; V: 2000,00   |                           |                           |                           |                           |                           |                           |
| Calibration    | Short circuit zero correction for all range  |                           |                           |                           |                           |                           |                           |
| Comparator     | RHI/RNG/RLO output VHI/VNG/VLO output NG/OK output   |                           |                           |                           |                           |                           |                           |
| Trigger        | Internal triggering; Manual triggering; External triggering and remote triggering;   |                           |                           |                           |                           |                           |                           |
| Interface      | RS-232 ; USB ; Handler (PLC) ; LAN   |                           |                           |                           |                           |                           |                           |
| Others         | 5 inch high-definition LCD display; Touch screen; Parameter monitoring function  |                           |                           |                           |                           |                           |                           |
| Accessories    | ATL527 Kelvin test leads; ATL108 RS232 Communication cable; ATL2527A Probe test cable (AT2527L、AT2527A Optional)               |                           |                           |                           |                           |                           |                           |