

THINKTOOL EVP903

BATTERY MODULE CHARGE & DISCHARGE BALANCER EQUIPMENT

The Thinkcar EVP903 is a professional-grade EV battery testing solution featuring a 400V wide-voltage design with multi-channel voltage and temperature monitoring for accurate module performance evaluation. It integrates seamlessly with Battery Management Systems (BMS) to enable real-time cell voltage and temperature tracking, complete full-process monitoring, and automatic data logging. Through complete charge-discharge cycles, the EVP903 determines true battery capacity and generates detailed State of Health (SOH) reports, while dual Expert and General operating modes make it suitable for both everyday technicians and advanced engineering diagnostics. Real-time BMS communication throughout ensures safer, more efficient battery pack maintenance from individual module testing through to full pack health assessment.

KEY FEATURES

- **Comprehensive Module Testing:** 400V wide-voltage design with multi-channel voltage and temperature monitoring for accurate performance and consistency evaluation.
- **Advanced Pack Testing:** Seamless BMS integration enables real-time cell voltage and temperature tracking, with full-process monitoring and data logging.
- **Accurate SOH Analysis:** Determines true battery capacity through complete charge-discharge cycles and automatically generates detailed SOH reports.
- **Dual Operating Modes:** Features both Expert and General modes, suitable for everyday users and advanced engineering diagnostics.
- **Enhanced BMS Communication:** Real-time cell status monitoring via BMS protocols ensures safer and more efficient pack maintenance.



SPECIFICATIONS

Model No.	EVP903
Pack Voltage Accuracy	±0.5%FS±0.3V (400V Max Range)
Single Cell Voltage Accuracy	±0.1%FS±5mV (5V Max Range)
Single Cell Current Accuracy	±0.5%FS±0.2A (100A Max Range)
Channels	72 channels (max)
Battery module voltage range	DC 2~400V
Charge current range	0~100A, maximum power: 4.4kW
Discharge current range	0~100A, maximum power: 7.2kW
Charge control	Constant voltage charge, constant current charge
Discharge control	Constant current discharge
Display	10.1-inch touchscreen, resolution: 1280×800
Power input	AC 100~240V 50/60Hz