

# Economy Battery Test Equipment

## MCB Series



Applied test	AGE Life cycle test	Capacity test	DCIR DCIR measurement
Formation	Grading	On-going reliability test (ORT)	ACIR ACIR measurement

Applied technology	BMS data collector	Discharge to 0V
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- The best solution for the following needs**
- Suitable for battery production requirements.
- In pursuit of affordable battery testing solutions.
- To test large quantities of batteries over an extended period.

### Main Features

- ±0.04% F.S. accuracy on voltage; ±0.03% F.S. accuracy on current.
- A data recording frequency of 100ms.

### Others

- Independent control and output of each channel.
- Able to make parallel connections among multiple channels in any configuration to increase current output.
- Operating modes: constant current, constant voltage, constant power, DCIR, ACIR.
- Software with high expandability, with integrated control of voltage measurement modules, temperature measurement modules, BMS data collection units, chambers, and other externally connected modules.
- Advanced data analysis functionality.
- BMS CAN signal analysis.
- Mechanical designs can be adjusted according to customer specifications.
- With various types of international testing standards for DCIR already built in.

AC Power		Customized According To Client Needs					
Loading Range		Charge	0~100V*	Discharge	2~100V* (Option: Discharge to 0V)		
Output	Constant Voltage	Maximum Voltage	Depend on Spec*		Voltage	Range	0~Maximum Voltage*1.1
		Resolution	16 bit			Resolution	24 bit
		Accuracy	±0.04% F.S.			Accuracy	±0.04% F.S.
	Constant Current	Maximum Charge/Discharge Current	Depend on Spec*		Current	Range	0~Maximum Charge/Discharge Current*1.1
		Resolution	16 bit			Resolution	24 bit
		Accuracy	±0.03% F.S.			Accuracy	±0.03% F.S.
	Constant Power	Maximum Power	Depend on Spec*		Temperature	Range	-50~150°C
		Resolution	16 bit			Resolution	0.1°C
		Accuracy	±0.07% F.S.			Accuracy	±1°C(-40~90°C)
Data Recording Time		100ms					
Communication Interface		Ethernet					
Ambient		23°C ± 2°C; 20~90HR					
Optional Features		DCIR Measurement, ACIR Measurement, Parallel Connections among Channels, BMS & Gas Gauge Data Collection, SOH Evaluation, Chamber Integration, Data Analyzer, Automatic/Semi-automatic Start.					
Accessory		BMS & Gas Gauge Data Collector, Auxiliary Voltage, Auxiliary Temperature, Chamber, Customized Fixture, Auto-Calibrator, Barcode Scanner, Buzzer					

\*Accept Customized Request

Model	Voltage (V)	Current (A)	Model	Voltage (V)	Current (A)
MCB 5V/3A	5	3	MCB 20V/30A	20	30
MCB 5V/5A	5	5	MCB 60V/10A	60	10
MCB 5V/10A	5	10	MCB 60V/15A	60	15
MCB 5V/20A	5	20	MCB 60V/20A	60	20
MCB 5V/30A	5	30	MCB 60V/30A	60	30
MCB 5V/50A	5	50	MCB 60V/60A	60	60
MCB 5V/100A	5	100	MCB 60V/80A	60	80
MCB 5V/200A	5	200	MCB 60V/100A	60	100
MCB 5V/300A	5	300	MCB 60V/200A	60	200
MCB 5V/400A	5	400	MCB 60V/300A	60	300
MCB 5V/500A	5	500	MCB 60V/500A	60	500
MCB 5V/1000A	5	1000	MCB 100V/100A	100	100
MCB 20V/5A	20	5	MCB 100V/200A	100	200
MCB 20V/10A	20	10	MCB 100V/300A	100	300
MCB 20V/20A	20	20	MCB 100V/500A	100	500