Specification

- Workstation: Independent workstation model, standard system expand (1 ~ 64), easy to change.
- O/P Function: Provide full output functions of CC, CV, CP (Constant power discharge).
- End Step: Provide full end step functions, including Time, EV, EC, Ah, Wh, △V, dv/dt.
- Data Record: Collect and display channel data immediately.
- High Accuracy: High accuracy of output and measurement.
- Special analyzing graph: Custom-made report format. (Option)
- Easy to maintain: Modular-design, provide software output calibration.
- Remote handling: Offers report by computer or the Internet (Mandy View).
- Scanning System: Plug-ins model cell scanning system, ES-100B (24-point/unit).

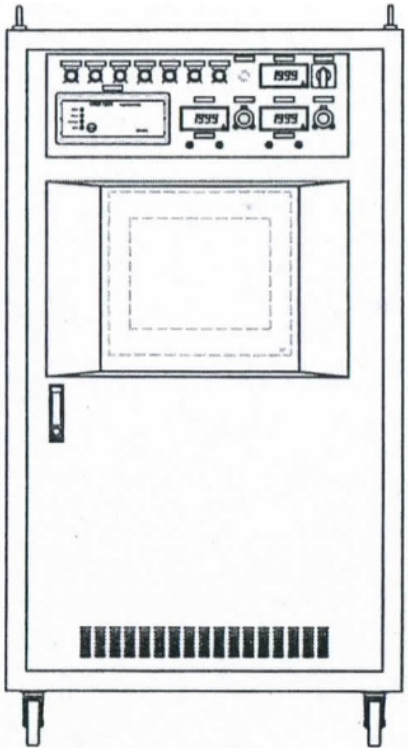
✓ Provide 2 cells-3 wires or 2 cells-4 wires test, achieves the best battery voltage testing requirement.
✓ Safe voltage protection design, long-life solid-state signal scanning.
✓ Modular-design provides users with needs to maintain easily.

AC Input (Source)			380V, 50/60Hz, Triple Phase
System Expansion			1 ~ 64 Sets (Standard)
Load Range		**Charge**	Custom-made Range
		Discharge	Custom-made Range
Output	**Constant Current**	**Resolution**	0.1A
		Accuracy	± 1A
	Constant Voltage	**Resolution**	0.01V
		Accuracy	± 0.5V
	Constant Power	**Resolution**	0.1 W
		Accuracy	± 0.2% F.S.
Measurement	**Voltage**	**Resolution**	0.01V
		Accuracy	± 0.4% F.S.
	Current	**Resolution**	0.1A
		Accuracy	± 0.1% F.S.
Single Cell Scanning			Available
Single Cell / Block Measurement			Single Cell up to nominal 2.0V / Single Block up to nominal 12.0V
Data Record		**Time**	20 Seconds ~ 99 Hours 59 Minutes 59 Seconds
		Output (Main Circuit)	Voltage, Current, AH, WH, Step Time, Time, Break Down
		Output (Scanning)	Single Cell Voltage
End Step			Time, Voltage, End Current, AH, WH, End Capacity
Output Protection		**Main Circuit**	OV, LV, OC, LC, OT, FU, Reverse Polarity,
		Scanning	OV, LV, OT
System Protection		**Communication**	Communication Failure Detection, Watch Dog
		Over Temperature	Transformer, Radiator, Fan Auto on/off
		Power Break	AC Shut Down Reset
Software Calibration			Voltmeter, Ammeter, Output Voltage, Output Current
Data Acquisition			Data Curves, Standard Report, Step Reports

System Structure

MCIM-Series are the latest charge/discharge equipment and cell scanning control systems, suitable for comprehensive battery charging and discharging, capacity tests. It can be operated either automatically via PC control or manually via front panel instruments.

The system is expandable (1 ~ 64 sets) to facilitate user's need. The ES-100B scanners can be built-in or built as a separate unit to work with the main charge/discharge system.



The picture is for reference only

System Features

MCIM-Series features output and measurement systems of high accuracy; provides various selections of Charge / Discharge modes: Constant Current (CC), Constant Voltage (CV), Constant Power (CP), etc. Additional end steps can be programmed to control the charge / discharge process, such as time, voltage and current levels, watt-hour and ending capacity etc., in order to achieve the desired electrical profile.

MCIM-Series with ES-100B scanners provide charge/discharge voltage data of individual cells and interface with the related software to display subsequently the curves of the actual measurements recorded.

Software Integration

MCIM-Series can acquire complete channel data quickly, as well as cell voltage data, including current, Ah, Wh, step time, faults and cell voltage. It displays equipment status immediately, collects data and provides analysis as well as process control.

MandyEC1 offers a highly reliable software interface. It is able to display output status of each machine immediately and provide appropriate customer-made analysis reports. User can analyse on the spot and view the process status on the Internet. The software offers complete data records and scanning information, which are easy to trace and interpret.

Infinitier

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