

# Macrii (MC) Temperature Control System

## — Special for Electric Vehicle Test

### Product Introduction

EV test temperature control system is a professional temperature control system based on the requirements of product performance, safety and environmental adaptability in the new energy electric vehicle industry. It can meet the environmental simulation, performance simulation, reliability and other professional test of motor, controller and battery package of new energy electric vehicle.



### Functions and Features

- The temperature control range: 5~120℃、-20~120℃、-40~120℃ and the temperature stability is ±1℃ or ±0.5℃.
- The flow control range: 2~20L/min, 4~40L/min and 4~60L/min. The control precision is better than 0.2 L/min.
- Special high-temperature refrigeration technology, compressor direct cooling temperature control, frequency conversion flow and the pressure control;
- Intelligent liquid return, automatic recovery the circulating liquid in the tested parts;
- Optional RS485/ CAN/ Ethernet communication mode;
- Independent modular design, easy to upgrade;
- Built-in leakage water reservoir design, effectively avoid pollution.

### Typical Application

It is widely used for motor-pair, endurance fatigue test, production line rapid detection, motor, controller, various performance tests of battery package, new product development, comprehensive environmental adaptability evaluation test, and the like.

### Products Specifications

	Cooling capacity	Cooling mode		Lowest control temperature	Output loop
MCc	08	U	-	C0	S
	03:8KW	U: Air-cooled		C0: Lowest temp. at 5℃	S:Single
	05:14KW	L: Water-cooled		C2: Lowest temp. at -20℃	D:Double
	08:22KW				T:Triple
	12:35KW				
	16:45KW				
	Cooling capacity	Cooling mode		Lowest control temperature	Output loop
MC†	12	U	-	C2	D
	08:22KW	U: Air-cooled		C2: Lowest temp. at -20℃	S:Single
	12:35KW	L: Water-cooled		C4: Lowest temp. at -40℃	D:Double
	16:45KW				T:Triple
	Cooling capacity	Cooling mode		Lowest control temperature	Output loop
MCa	16	U	-	C4	T
	08:12KW	U: Air-cooled		C4: Lowest temp. at -40℃	S:Single
	12:19KW	L: Water-cooled			D:Double
	16:26KW				T:Triple
	20:30KW				
	25:34KW				
	30:40KW				