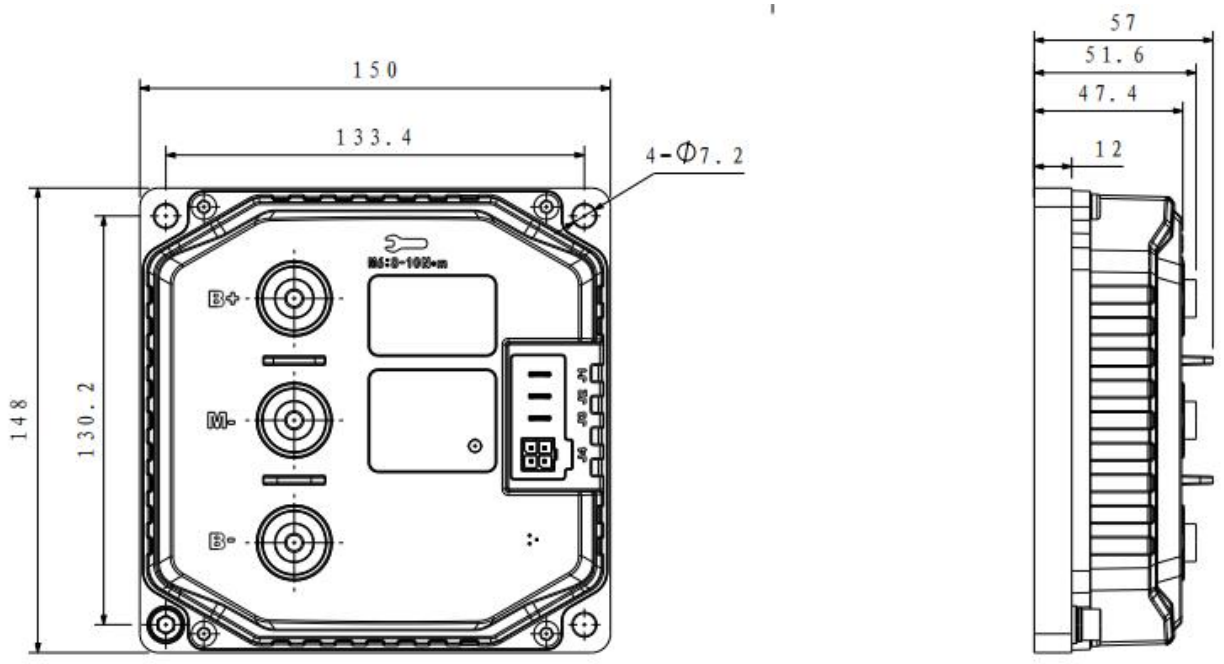


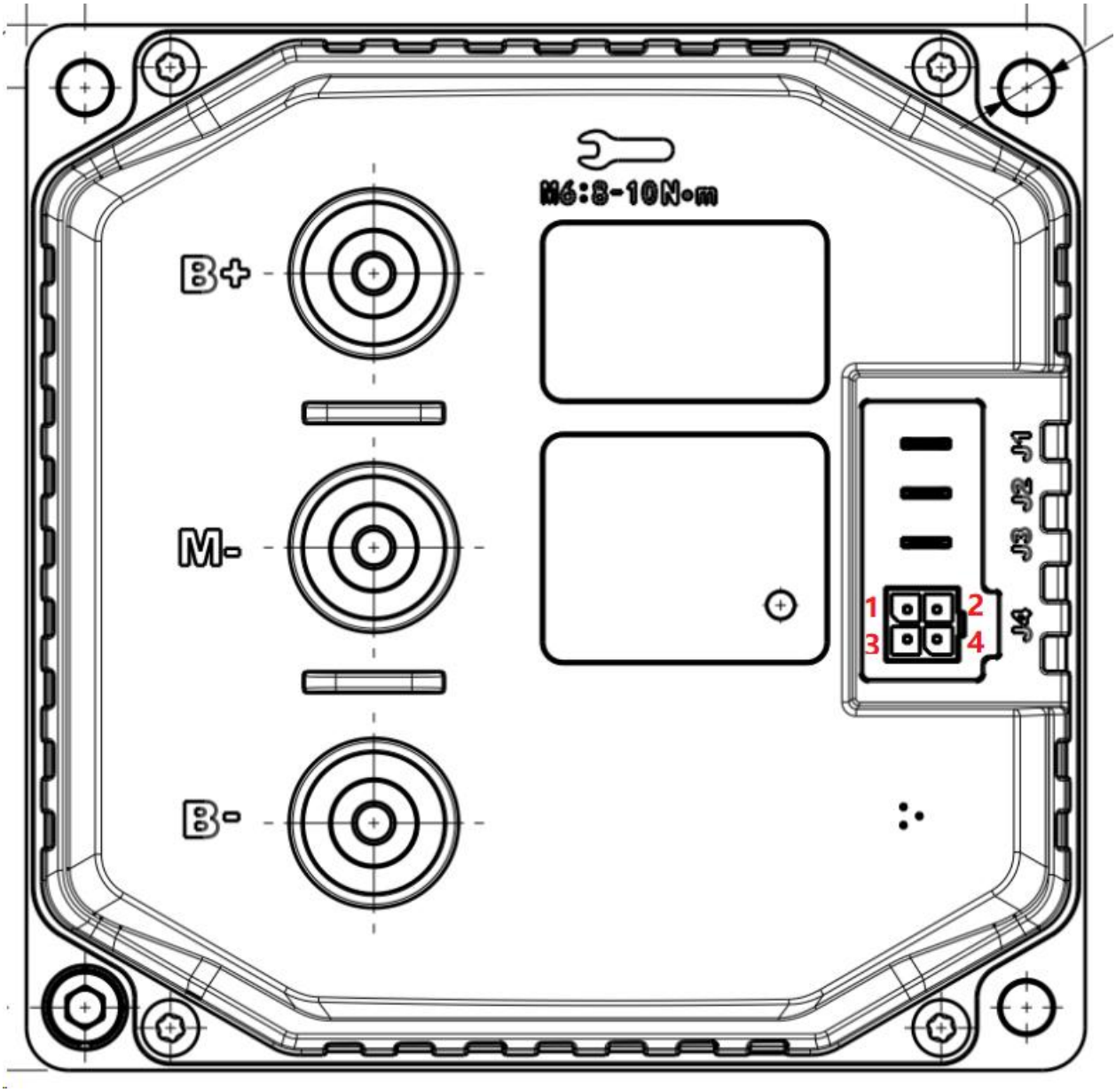
- IP66
- Input Voltage 24V
- DC Brushed Motor
- Non-Isolated Type

■ Dimensions & Installation Instructions



Terminal screws: M6×20 (tightening torque 8~10 N • m)

■ Wiring Definitions



B+, B- and M- are M6 stud-type terminals.
B+ connects to power positive and motor positive; M- connects to motor negative; B- connects to power negative.

J1, J2 and J3 are 6.4 mm wide soldered blade terminals.

Connector	J1	J2	J3
Name	KEY	POT-	ACC/POT+

Connector Model: Communication port J4 = HC-5557-2*2A.

J4	1	2	3	4
Communication	DC+O	AGND	CANL	CANH

■ Technical Specifications

Model	DEMCDC4xx
Rated Input Voltage (DC-V)	24
Rated Input Current (DC-A)	100
Rated Output Current (Adc@30min)	150
Input Voltage Range (DC-V)	16~40
Maximum Input Current (DC-A)	250
Maximum Output Current (Adc)	350
Operating Ambient Temperature (°C)	-20~+65
Motor Type	DC Brushed Motor
Efficiency	97%
Protection	OverCurrent / OverVoltage / OverTemperature / Stall
Dimensions (mm)	150*148*57
Weight (kg)	<1.2
Communication	CAN2.0
Cooling Method	Forced Air Cooling
Protection Rating	IP66

■ Pin Descriptions

Pin	Name	Type	Operating Range	Description
J1	KEY	Power Input	16~40V consumption <0.15A	Starting power
J2	POT-	Resistive Input	0~10K	Negative end of slide rheostat input
J3	ACC	Voltage Input	0~5V input impedance >100K	Voltage throttle input
	POT+	Resistive Input	0~10K	Positive end of slide rheostat input
J4-1	DC+O	Power Output	Current capability 0.4A	Connected to DC bus positive
J4-2	AGND	Ground	Current capability 0.4A	AGND
J4-3	CANL	Communication	Withstand voltage 40V	Voltage difference between CANH and CANL < 5.5V
J4-4	CANH	Communication	Withstand voltage 40V	Voltage difference between CANH and CANL < 5.5V

■ Product Features

- High-power MOSFETs with high current rating, low internal resistance and fast switching speed are used as the power devices.
- Software can be customized to meet the different requirements of individual customers.

■ Important Notes

- Always tighten the terminal screws to the required torque.
- The vehicle must be equipped with reliable short-circuit protection such as circuit breakers and fuses.