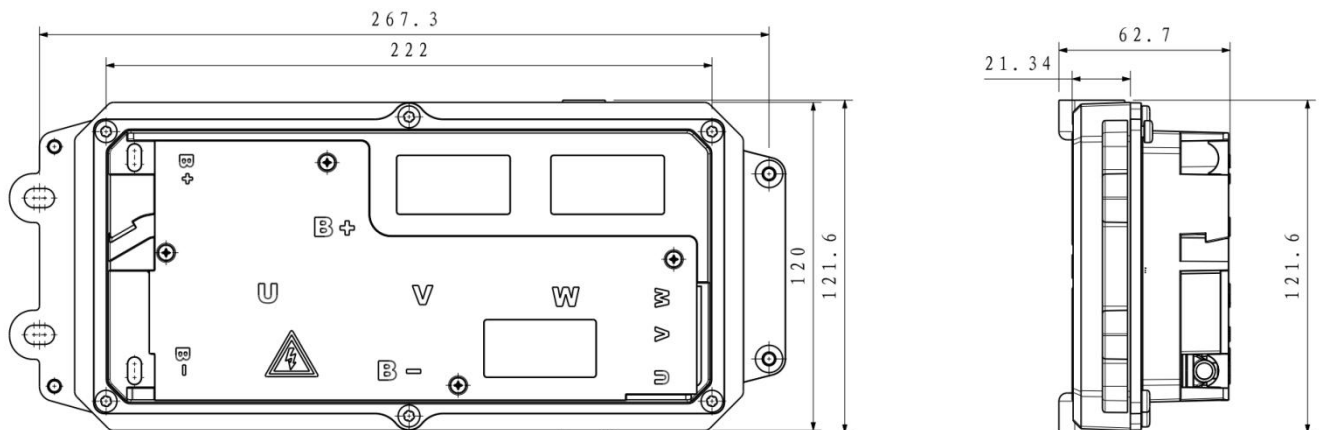




- IP67
- Input Voltage 36~88V
- Non-Isolated Type
- Built-in Bluetooth
- Built-in 6-Axis Gyroscope

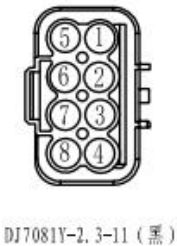
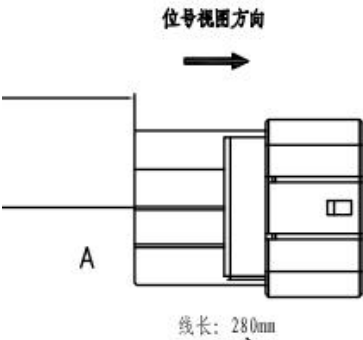
■ Dimensions & Installation Instructions



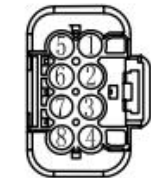
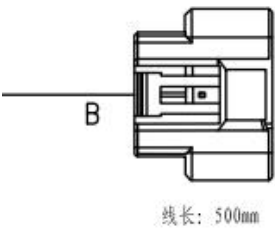
Terminal screws: M6×12 (tightening torque 8~10 N • m)



■ Wiring Definitions

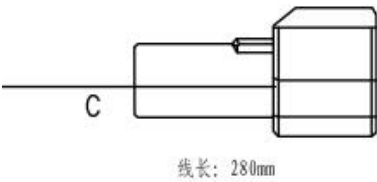


DJ7081Y-2.3-11 (黑)



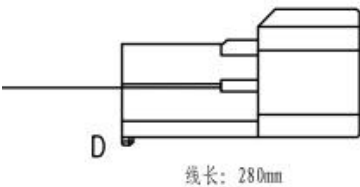
DJ7081Y-2.3-21 (黑)

DJ7081Y-2.3-21 (黑)



DJ7031Y-2.3-21 (黑)

DJ7031Y-2.3-11 (黑)



DJ7041Y-2.3-11 (黑)

DJ7041Y-2.3-11 (黑)

A (DJ7081Y-2.3-11)		
Pin	Color	Definition
1	Brown-Black	Tilt switch
2	Purple	1-Wire
3	Red-Black	Key power
4	Orange-White	Gear switch
5	NC	NC
6	Green-Black	Reverse
7	Green-Blue	Kickstand switch
8	Green-Yellow	High brake switch

B (DJ7081Y-2.3-21)		
Pin	Color	Definition
1	White	PWM
2	Blue	HALL C
3	Green	HALL B
4	Yellow	HALL A
5	Brown	Temperature 1
6	Black	Temperature 2 (GND)
7	Black	GND
8	Red	5V

C (DJ7031Y-2.3-11)		
Pin	Color	Definition
1	Black-White	Throttle -
2	Green-White	Throttle signal
3	Red-White	Throttle +

D (DJ7041Y-2.3-11)		
Pin	Color	Definition
1	Purple-White	CAN L
2	Yellow-White	CAN H
3	Brown-Green	P gear / cruise
4	Brown-Blue	Energy regeneration

■ **Technical Specifications**

Model	DEMCT24XX
Rated Input Voltage (DC-V)	72
Rated Input Current (DC-A)	65
Input Voltage Range (DC-V)	60~88
Maximum Input Current (DC-A, 120s)	200
Maximum Output Current (AC-A@30s)	600
Operating Ambient Temperature (°C)	-20~+65
Motor Type	PMSM / SynRM / Induction Motor
Motor Control Method	FOC/MTPA/SVPWM/Flux Weakening
Motor Sensor Type	SinCos / ABZ(+PWM) / HALL ABC (select one of three)
Efficiency	98%
Protection	OverCurrent / OverVoltage / OverTemperature / Stall
Dimensions (mm)	222 × 122 × 63 (excluding outer teeth dimensions)
Weight (kg)	<2.5
Communication	CAN2.0
Cooling Method	Forced Air Cooling
Protection Rating	Internal IP67

■ Product Features

- High-power MOSFETs with high current rating, low internal resistance and fast switching speed are used as the power devices.
- An advanced vector control algorithm provides precise control of motor torque and speed.
- Energy regenerative control extends vehicle driving range and meets the needs of different customers.
- Optional anti-rollback function on slopes improves driving safety.
- Built-in 6-axis gyroscope enables wheelie control.
- Built-in Bluetooth enables commissioning and upgrades via mobile phone.
- Software can be customized to meet the different requirements of individual customers.
- OBD function included.
- Harness Customizable

■ 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.