

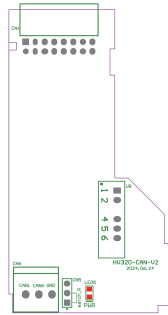
HV320-CAN-V2 Product Introduction

HV320-CAN-V2 is a CANlink communication card, which is a special expansion card designed for the HV320-V2 series inverter to use the CAN communication network. It allows the inverter to access the high-speed CAN and CANlink communication network to achieve fieldbus control.

CANlink is a communication protocol developed based on the CAN bus. This network protocol is an open protocol, and all devices that support this protocol can access the CANlink network. The A series inverter can perfectly use CANlink for networking communication. HV320-CAN-V2 complies with the standard CANlink fieldbus standard



Interface layout and description HV320-CAN-V2 interface layout



HV320-CAN-V2 interface description

Mark	Name	Function	备注
CN6	CANL	Isolation input signal	
	CANH	Isolation input signal	
	GND		

HV320-CAN-V2 Jumper description

Mark	Name	Function	Jumper
CN5	Communication terminal resistance selection	With resistor	
		Without resistor	

HV320-CAN-V2 Interface Description

CANlink Bus transmission distance

The transmission distance of the CANlink bus is directly related to the baud rate and the communication cable. The maximum bus length is related to the baud rate.

Baud rate and bus length correspondence

Baud rate (bps)	Length (m)
1M	30
500K	100
250K	250
125K	500

EMC Cabling Guidelines

1. During on-site installation and debugging, the communication signal wire and the power wire need to be routed in different cable troughs. It is strictly forbidden to bundle the CAN communication wire and the power wire together, otherwise CAN communication interference problems may occur.
2. The motor housing must be connected to the inverter grounding terminal (PE terminal), and the ground wire on the motor housing side must be well verlapped, otherwise a good grounding effect cannot be achieved.
3. It is recommended to use a double-leg shielded cable for differential signals. The twisted pair must be wired according to the differential pair, and the shielding layer is connected to the inverter grounding terminal (PE terminal)