

SPECIFICATION FOR INVERTER

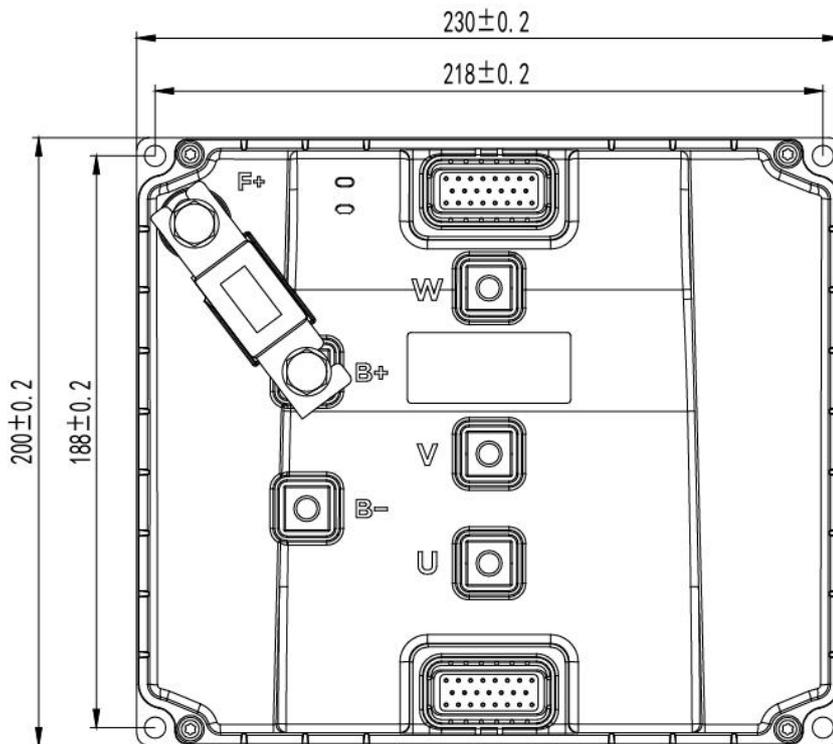
SZ8565-B2DL-01



1. Product Model & Specification

SZ8565-B2DL-01			
Rated Voltage	48 V	Communication protocol	CAN
Peak Power	28 kW	Undervoltage protection	Software adjustable
Maximum currents	650 A	IP class	IP67
Product Weight	4.3 kg	Operating temperature	-25°C~80°C
Size	230*200*77 mm	Application	Aerial working platform

2.Outline Dimension



3.Interface Function

3.1.Inverter Installation and Matching Cable

3.1.1.Power Cable Selection

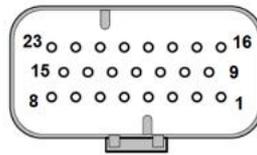
Recommended matching cable size: 35-50 square millimeters.

Screw size M8*18, the installation torque for the screws is $11 \text{ N} \pm 1 \text{ N}$.

3.1.2. Wiring Definition

No.	Definition
B+	The positive terminal of the power supply is generally connected to the output terminal of the main contactor.
B-	Power supply negative terminal, connected to the negative terminal of the storage battery
U	Connect the U-phase of the motor.
V	Connect the V-phase of the motor.
W	Connect the W-phase of the motor.

3.1.3. Terminal Model and Pin Definition



Plug-in connector model (5569 connector MX4.2mm 6P8P10P14P)

Terminal No.	Function	Voltage Range	Terminal No.	Function	Voltage Range
1	KEY	48V	13	COS+	/
2	PANIN	5	14	COS-	/
3	CPOT	0-4.2V	15	SIN-	/
4	FW	High effective	16	NLC	Low-side drive
5	BW	High effective	17	PEB	48V
6	EXC-	/	18	NEB	Low-side drive
7	EXC+	/	19	NEVP	Low-side drive
8	SIN+	/	20	CAN_L1	/
9	AGND	0V	21	CAN_H1	/
10	CPOT BR	0-4.2	22	NCAN	/
11	PB/QI	High effective	23	PTHERM	Temperature sensor
12	CAN_T1	/			

4. Other

4.1. Design Standard:

EMC standard: EN12895:2015

4.2. Safety Standards:

EN1175-1:1998+A1:2020 、 EN (ISO) 13849-1 、 UL 583

4.3. Application Drive motor range:

PMSM