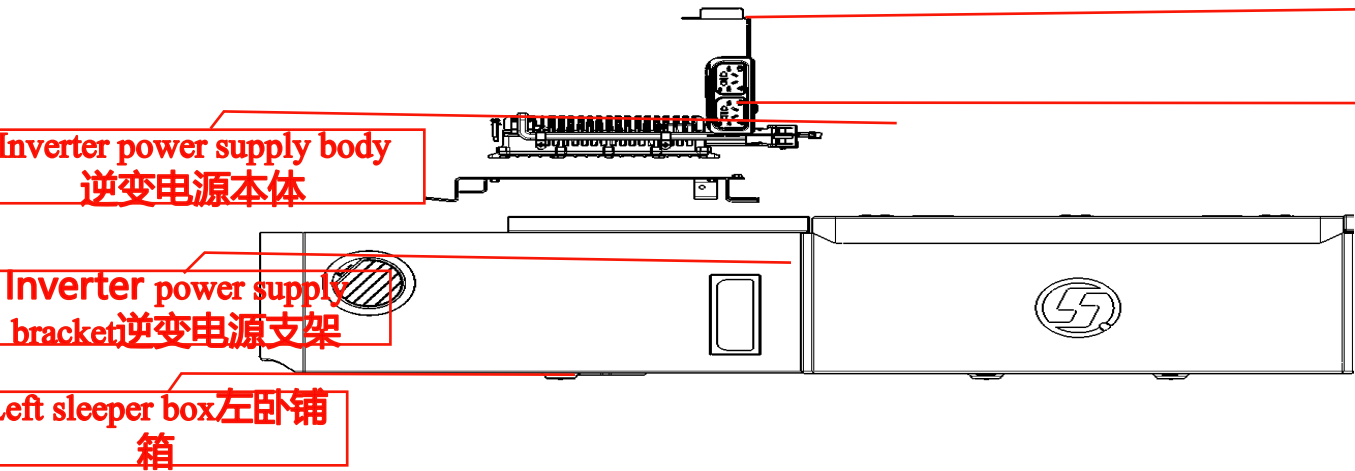
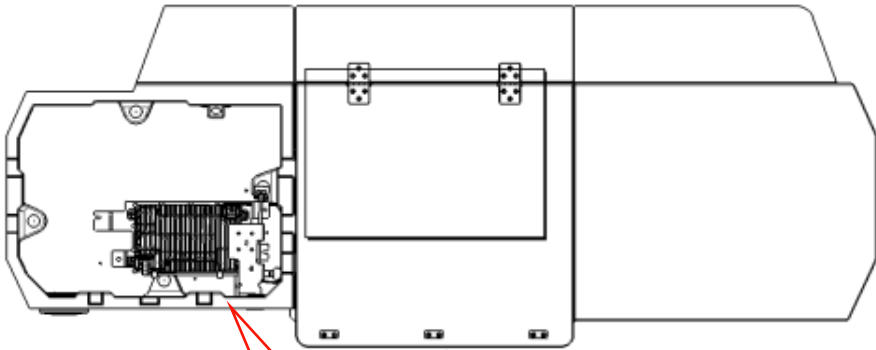


6、Electrical system-Inverter power supply 电器系统-逆变电源

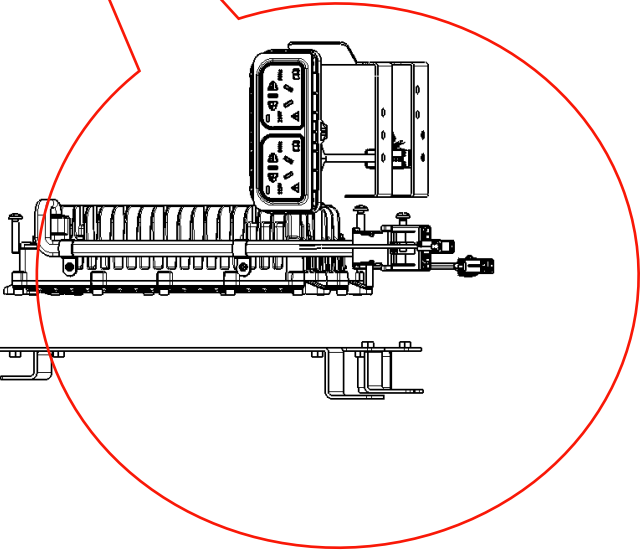
◆ Assembly Introduction 装配介绍

- Step1:** Attaching the inverter power supply bracket to a fixed point inside the left sleeper box.将逆变电源支架装在左卧铺箱内固定点;
- Step2:** Attaching the inverter power supply body and harness guard to the inverter power supply bracket.将逆变电源本体和线束护架装在逆变电源支架上;
- Step3:** Installation of 220V socket on the wall of the left sleeper box.将220V插座装在左卧铺箱壁上;
- Step4:** Ensure that the plug connector is plugged in correctly and fixed securely, and that the wire harness is fixed with a tie, as far as possible within the protection of the bracket and does not interfere with the surrounding parts. 确
保插接器插接正确、固定牢靠，线束用扎带固定，尽量处于支架保护范围内，不与周边件干涉。



Wire Harness Guard
线束护架

220V socket
220V插座



6、 Functional principle and interface definition—— Inverter power supply 功能原理及接口定义——逆变电源

◆ Function Principle 功能原理

Inverter power supply is a conversion device that converts DC energy into AC energy through the opening and closing action of semiconductor power switch, which is the reverse process of rectifier conversion. This product is required to convert 24V DC to 220V AC. 逆变电源是通过半导体功率开关的开通和关断作用，把直流电能转变成交流电能的一种变换装置，是整流变换的逆过程。本产品要求将24V DC转换为220V AC。

- After ACC is powered up, the inverter turns off when the battery voltage falls below 24.5V. ACC上电后，当电池电压低于24.5V，逆变器关闭。
- Input voltage between 24.5 - 26.8V, input power limited to 150W 输入电压在24.5——26.8V之间，输入功率限定在150W
- Voltage between 26.8 - 32V, can be full power 1200W output. 电压在26.8——32V之间，可满功率1200W输出。

◆ Fault indicatnio 故障指示

The inverter power supply stops working when there are the following faults.

当有以下故障时，逆变电源停止工作：

- Inverter power supply surface temperature exceeds 逆变电源表面温度超过75℃
- When the inverter power supply or electrical appliances have a leakage fault
- 当逆变电源或用电器有漏电故障时

Indicator light description.指示灯说明：

- Normal operation, green light on.正常工作，绿灯亮；
- Overload and overtemperature with flashing yellow light.
- 过载过温，黄灯闪烁；
- Short circuit leakage, undervoltage overvoltage, red light on.
- 短路漏电、欠压过压，红灯亮。

6、 Troubleshooting—— Inverter power supply 故障处理——逆变电源

◆ Interface Definition 接口定义

插接器针脚定义 Plug-in connector pin definition			
Start signal 启动信号输入端 DZ9X259121201			
PIN1	ACC	PIN2	空
Power input 功率输入端 DZ9X259121202			
PIN1	24+	PIN2	GND
Outputs 输出端 DZ9M259121303			
PIN1	L	PIN2	Reserved 预留
PIN3	Reserved 预留	PIN4	Reserved 预留
PIN5	Reserved 预留	PIN6	LED Green
PIN7	N	PIN8	Grounding 接地
PIN9	LED GND	PIN10	Micro switch 微动开关 K1
PIN11	Micro switch 微动开关 K2	PIN12	Reserved 预留
PIN13	LED YELLOW	PIN14	LED Red

◆ Troubleshooting Processv 故障处理流程

