

诺力智能APP故障代码表-1.1
Noblelift Smart APP Fault Code Table -1.1

序号 No.	手柄故障 代码 Handle Fault Code	故障名称 Fault Name	故障描述 Fault Description	解决办法 Solution	故障来源 Fault Source	备注 Note
1	2	直立行走开关逻辑故障 UpRight_Fault	直立行走时互锁开关闭合 Interlock is active while upright running	直立行走模式下互锁开关闭合，若松开直立行走开关（龟速开关），复位互锁后故障还未清除： In upright running mode, the interlock open and close is closed, if the upright running switch (turtle speed switch) is released, the fault has not been cleared after resetting the interlock: 1.直立行走开关（龟速开关）粘连，更换手柄； Upright running switch (turtle speed switch) adhesion, replace the handle;	BM24C10-CAN控制器 BM24C10-CAN controller	
2	3	互锁开关错误 Inertlock_Fault	1.开机前互锁开关提前闭合 Interlock is active before KSI 2.方向、互锁操作顺序不对 Interlock logic error 3.运行过程中互锁开关断开再闭合 Interklock inactive during running	若复位互锁，故障还未清除： If the reset interlock is reversed, the fault has not been cleared: 1.检查互锁开关线束（J1-9）是否和3-短路； Check whether the interlocking switch harness (J1-9) is short-circuited with 3-; 2.更换互锁开关； Replace the interlock switch;	BM24C10-CAN控制器 BM24C10-CAN controller	
3	4	加速器故障 Pedal_Fault	1.加速器损坏 Tiller broken 2.手柄模拟量>4096或者<0 Wiper value is above 4096 or below 0	加速器模拟量超范围 Accelerator analog out of range 1.更换手柄 Replace the handle	BM24C10-CAN控制器 BM24C10-CAN controller	
4	6	预充电故障 Precharge_Fault	预充电电路损坏 Precharge circuit broken	检查KSI端口（J1-6）是否接触良好 Check that the KSI port (J1-6) is in good contact 如无异常，请更换控制器 If there are no abnormalities, replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	
5	6	预充电超时故障 Precharge_Fault	预充电时间过长 Precharge out time	检查KSI端口（J1-6）是否接触良好 Check that the KSI port (J1-6) is in good contact 如无异常，请更换控制器 If there are no abnormalities, replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	
6	8	主接触器黏连故障 MainOff_Fault	1.主接触器黏连或者被卡死 Main contactor coil loop is short 2.主接触器驱动故障 Main contactor driver error	更换控制器 Replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	
7	9	主接触器开路故障 MainOn_Fault	1.主接触器驱动回路开路 Main contactor coil loop is open	更换控制器 Replace the controller	BM24C10-CAN控制器 BM24C10-CAN	
8	10	制动器断开故障 BrakeOff_Fault	1.制动器驱动回路短路 Brake driver loop is short 2.制动器线圈短路 Brake coil loop is short	更换控制器 Replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	
9	12	电池连接故障 BatDisconnect_Fault	电池B+、B-回路连接不良 Batttery B+, B- loop loosed	检查电源线B+/B-连接是否良好； Check whether the power cord B+/B-connection is good; 如无问题，更换控制器	BM24C10-CAN控制器 BM24C10-CAN controller	
10	13	制动器闭合故障 BrakeOn_Fault	1.制动器驱动回路开路 Brake driver loop is open 2.制动器线圈开路 Brake coil loop is open	1.检查电磁刹车线束（J1-1/J1-2）连接是否良好； 1. Check whether the electromagnetic brake (J1-1/J1-2) is well connected; 2.电磁刹车损坏，更换电磁刹车； 2. Electromagnetic brake damage, replace electromagnetic brake; 3.更换控制器； Replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	
11	15	硬件故障 Hardware_Fault	控制器硬件故障,更换控制器 Defective controller,need change	更换控制器 Replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	
12	15	内部电源故障 OutOfRange_15V	内部15V电压>18 volts或者<12 volts Internal volatge 15V is above 18 or below 12	更换控制器 Replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	
13	15	M1桥臂故障 M1Short_Fault	1.M1桥臂故障MOSFET损坏 M1 bridge MOSFET broken 2.电机线对外短路 Motor wiring is short	1.更换控制器 Replace the controller 2.检查M1电机线是否与B+/B-/电机外壳短路，更换电机； Check whether the M1 motor cable is short circuited with B+/B-/motor shell and replace the motor;	BM24C10-CAN控制器 BM24C10-CAN controller	
14	15	M2桥臂故障 M2Short_Fault	1.M2桥臂故障MOSFET损坏 M2 bridge MOSFET broken 2.电机线对外短路 Motor wiring is short	1.更换控制器 Replace the controller 2.检查M2电机线是否与B+/B-/电机外壳短路，更换电机； 2. Check whether the M2 motor cable is short circuited with B+/B-/motor shell and replace the motor;	BM24C10-CAN控制器 BM24C10-CAN controller	
15	19	电机断线故障 MotorDisconnect_Fault	1.电机未连接 Motor diaconnect 2.电机M1,M2回路连接不良 Motor M1.M2 connection loop loosed	1.检查电机线与控制器连接是否良好； Check whether the connection between the motor wire and the controller is good; 2.如无异常，请更换控制器； If there is no abnormality, please replace the controller;	BM24C10-CAN控制器 BM24C10-CAN controller	
16	20	过流故障 OverCurrent_Fault	控制器电流大于保护值 Controller current is above set value	1.电机或电机线短路； Short circuit of motor or motor line; 2.重启若故障还存在，请更换控制器	BM24C10-CAN控制器 BM24C10-CAN controller	
17	22	控制器温度故障 Controller_Temp_Fault	控制器温度>100℃或者<-40℃ Heatsink temperature is above 100℃ or below -40℃	1.控制器实际温度是否过高或过低； Whether the actual temperature of the controller is too high or too low; 2.若控制器温度-40℃ < T < 100℃，则更换控制器 If the controller temperature is -40 °C< T< 100 °C, replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	
18	26	过压故障 OverVoltage_Fault	电池电压>35 volts Controller voltage is above 35V	电池电压过高 The battery voltage is too high 1.检查电池电压是否高于35v Check if the battery voltage is higher than 35v	BM24C10-CAN控制器 BM24C10-CAN controller	
19	28	欠压故障 UnderVoltage_Fault	电池电压 <17 volts Controller voltage is below 17V	电池电压过低 The battery voltage is too low 1.检查B+/B-电源线连接是否良好； Check whether the B+/B-power cord connection is good; 2.电池电压过低，充电； The battery voltage is too low, charging; 3.电池损坏，更换电池； Battery damage, replace the battery; 4.若电压正常，故障仍存在，则更换控制器； If the voltage is normal and the fault still exists, replace the controller;	BM24C10-CAN控制器 BM24C10-CAN controller	
20	29	EEPROM故障 Eeprom_Fault	EEPROM 读写参数故障 Eeprom check error	更换控制器 Replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	

21	32	CAN通信故障 CAN_Fault	1.检查CAN线连接，检查CAN总线阻值； Check CAN connection and CAN terminal resistor 2.检查锂电池BMS； Check BMS CAN communication	1.检查电池、手柄和控制器的CAN线连接是否正确； Check whether the CAN cable connection of the battery, handle and controller is correct; 2.测量CAN总线上是否有60欧终端电阻； 2. Measure whether there is a 60 ohm termination resistance on the CAN bus; 3.锂电池BMS损坏，更换锂电池； Lithium battery BMS damage, replace lithium battery; 4.手柄通讯模块损坏，更换手柄； The handle communication module is damaged, replace the handle; 5.控制器通讯模块损坏，更换控制器 The controller communication module is damaged, replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	
22	33	提升继电器断开故障 LiftOff_Fault	1. 继电器驱动回路短路。 Lift relay drive is short 2. 继电器线圈短路 Lift relay coil is short	更换控制器 Replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	
23	33	提升继电器闭合故障 LiftOn_Fault	1. 继电器驱动回路开路。 Lift relay drive is open 2. 继电器线圈开路 Lift relay drive is open	1.检查提升继电器线束（J1-5/3-）连接是否良好 Check whether the lift relay wiring harness (J1-5/3-) is well connected 2.起升接触器损坏，更换起升接触器； The lifting contactor is damaged, replace the lifting contactor; 3.更换控制器； Replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	
24	34	下降继电器断开故障 LowerOff_Fault	1. 继电器驱动回路短路。 Lower relay drive is short 2. 继电器线圈短路 Lower relay coil is short	更换控制器 Replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	
25	34	下降继电器闭合故障 LowerOn_Fault	1. 继电器驱动回路开路。 Lower relay drive is open 2. 继电器线圈开路 Lower relay coil is open	1.检查下降电磁阀线束（J1-7/3-）连接是否良好 Check whether the descending solenoid wiring harness (J1-7/3-) is well connected 2.下降电磁阀损坏，更换下降电磁阀； The descending solenoid valve is damaged, replace the descending solenoid valve; 3.更换控制器； Replace the controller	BM24C10-CAN控制器 BM24C10-CAN controller	
26	37	紧急反向故障 EMR_Fault	1. 钥匙开关上电之前，紧急反向开关闭合 EMR switch is active before KSI 2. 紧急反向逻辑故障 EMR logic error	正常触发紧急反向，报紧急反向故障，若复位互锁后故障仍未清除： Normal trigger emergency reverse, report an emergency reverse fault, if the fault is not cleared after reset interlock: 1.检查紧急反向开关线束（J1-13）连接，通断是否良好； Check the connection of the emergency reverse switch harness (J1-13) and whether the on-off is good; 2.紧急反向开关粘连； Emergency reverse switch adhesion; 3.紧急反向开关类型参数设置是否正确； Whether the emergency reverse switch type parameter settings are correct;	BM24C10-CAN控制器 BM24C10-CAN controller	
27	38	BMS与控制器握手失败 BMSTimeout_Fault	上电7s后未与BMS握手成功 BMS communication failed after KSI 7s	1.检查电池与控制器CAN线连接是否良好； Check whether the battery is well connected to the controller CAN cable; 2.检查控制器软件是否正确； Check whether the controller software is correct; 3.检查电池BMS软件是否正确； Check whether the battery BMS software is correct;	BM24C10-CAN控制器 BM24C10-CAN controller	加密电池
28	80	Mode fault 龟速按钮故障	龟速按钮在开机前就检测到闭合。 Mode switch is active before KSI	1、手柄龟速按钮是否按下黏连； Whether the handle turtle speed button is pressed and adhered; 2、龟速按钮下的微动开关是否是常闭状态，更换微动开关组件； Whether the micro switch under the turtle speed button is normally closed, replace the micro switch assembly; 3、更换手柄上盖； Replace the upper cover of the handle;	手柄 handle	
29	81	Lift fault 上升按钮故障	上升按钮在开机前就检测到被按下。 Lift switch is active before KSI	1、手柄起升按钮是否按下黏连； Whether the handle lifting button is pressed and adhered; 2、起升按钮下的微动开关是否是常闭状态，更换微动开关组件； Whether the micro switch under the lift button is normally closed, replace the micro switch assembly; 3、更换手柄上盖； 3. Replace the upper cover of the handle;	手柄 handle	
30	82	Lower fault 下降按钮故障	下降按钮在开机前就检测到被按下。 Lower switch is active before KSI	1、手柄下降按钮是否按下黏连； Whether the handle drop button is pressed and adhered; 2、下降按钮下的微动开关是否是常闭状态，更换微动开关组件； Whether the micro switch under the drop button is normally closed, replace the micro switch assembly; 3、更换手柄上盖； Replace the upper cover of the handle;	手柄 handle	
31	83	BMS Communication Outage 锂电池通讯故障	1、锂电池BMS损坏。 Battery BMS broken 2、锂电池到手柄的通讯线断了。 Battery and throttle communication loop broken 3、手柄的通讯模块损坏。 Throttle communication failed	1、更换锂电池； Replace the lithium battery; 2、更换手柄线束、主控制器线束、主电源线束； Replace the handle, controller and main power wiring. 3、更换手柄； Replace the handle;	手柄 handle	
32	84	throttle_FAULT 加速器故障	输入密码前，加速器不在中位，需要复位加速器才能解除该故障。 Throttle not at neutral before Password in.need restart throttle.	加速器模拟量超范围 Accelerator analog out of range 1.更换手柄 Replace the handle	手柄 handle	
33	85	Controller Communication Outage 控制器通讯故障	1、控制器BMS损坏。 Controller communication failed 2、控制器到手柄的通讯线断了。 Controller and throttle communication loop broken 3、手柄的通讯模块损坏。 Throttle communication failed	1、更换控制器； Replace the controller 2、更换手柄线束、主控制器线束； Replace the handle and controller wiring; 3、更换手柄； Replace the handle;	手柄 handle	
34	86	低电量故障 LowBDI	电池电量低于低电量门槛设定值 Battery discharge level is lower than the Low BDI Level parameter	当前电量低于低电量设定值（15%）： The current battery is below the low battery setpoint (15%): 1.电池电量低，需充电； The battery is low and needs to be charged; 2.检查手柄是否正确，更换手柄（铅酸电池时，需要手柄计算电量）； Check whether the handle is correct, replace the handle (when the lead-acid battery, the handle is required to calculate the power);	BM24C10-CAN控制器 BM24C10-CAN controller	

35	87	Lift system failure 起升故障	泵站输出连续运行，起升系统故障，有可能是上升微动开关故障 Pump over use, lift system failure	1、限位开关无法触发，调整电控板； The limit switch cannot be triggered, and the electronic control board is adjusted; 2、限位开关常闭接点短路； Short circuit of normally closed contact of limit switch; 3、起升接触器粘连； Lifting contactor adhesion;	手柄 handle	
36	90	Over Voltage 电池过压故障	1、可能是充电器过充电。 Battery over charged 2、电池BMS存在问题。 Battery BMS broken 3、车辆长时间下坡，引起的反馈电流充电引起。 Feedback current is large during long slope down	1、充电器过充电，充电器截止电压过高； The charger is overcharged, and the charger cut-off voltage is too high; 2、更换电池； Replace the battery; 3、车辆长时间下坡引起； Caused by the vehicle going downhill for a long time;	锂电池 lithium battery	高配 High match
37	91	Over Discharge 电池过放电故障	1、锂电池长期不用，造成电池电量低。 No operation for long time 2、使用过度。 Over use	电池定期补电； The battery is replenished regularly;	锂电池 lithium battery	高配 High match
38	92	Communication Outage 电池通讯超时故障	电池通讯超时，与控制器通讯超时 Battery communication out time	更换电池 Replace the battery	锂电池 lithium battery	高配 High match
39	93	Under Voltage 电池低压故障	1、长期存放，没有及时充电。 No operation for long time 2、电池内部电芯损坏，造成无法充进电量。 Battery broken	1、电池定期补电； The battery is replenished regularly; 2、更换电池； Replace the battery	锂电池 lithium battery	高配 High match
40	94	Over Current 电池过流故障	1、使用设备没有按照控制器原先设定的程序运行。 Controller broken 2、控制器更换以后，参数不匹配。 Controller mismatch 3、锂电池存在电流检测方面的问题。 Battery current sense error	1、更换控制器； Replace the controller 2、控制器参数修改； Controller parameter modification; 3、更换电池； Replace the battery	锂电池 lithium battery	高配 High match
41	95	Over Temperature Protect 电池严重高温故障	电池温度严重过高，使用或者运输环境，造成电池内部严重高温。 Battery temperature is heavily higher than set value	1、电池内部温度严重过高； The internal temperature of the battery is seriously too high; 2、电池内部温度传感器故障，更换电池； The internal temperature sensor of the battery fails, replace the battery ;	锂电池 lithium battery	高配 High match
42	96	Temperature Protect 电池高温故障	电池温度过高，使用或者运输环境，造成电池内部高温。 Battery temperature is higher than set value	1、电池内部温度过高； The internal temperature of the battery is seriously too high; 2、电池内部温度传感器故障，更换电池； The internal temperature sensor of the battery fails, replace the battery ;	锂电池 lithium battery	高配 High match
43	预留	电机温度故障 Motor Temp Fault	预留 Reserved		BM24C10-CAN控制器 BM24C10-CAN controller	
44	预留	提升开关操作错误 PumpSRO Fault	开钥匙前提升开关闭合 Lift swtich is active before KSI		BM24C10-CAN控制器 BM24C10-CAN controller	
45	预留	系统任务故障 System task failure	预留 Reserved		BM24C10-CAN控制器 BM24C10-CAN controller	