TALARIA TL4000 MX ERROR CODES & SOLUTIONS

S/N	FAULT CODE (OFF-ROAD VERSION)	FAULT CODE (ON-ROAD VERSION)	FAULT DESCRIPTION	CAUSE ANALYSIS	SOLUTION	SUGGESTION
1	E01	00001	Protection IC fault	Internal communication of the front- end chip is interrupted.	Restarting	If the fault continues, it is recommended to send it for after- sales maintenance.
2	E02	00002	Cell disconnection	The cell is not firmly welded, resulting in dry joint or fracture of connecting piece and poor contact of sampling line.	Restarting	If the fault continues, it is recommended to send it for after-sales maintenance.
3	E03	00003	Cell unbalanced	The cell voltage difference is greater than 500mV.	Restarting	If the fault continues, it is recommended to send it for after-sales maintenance.
4	E04	00004	Metering fault	No such fault yet.	/	
5	E05	00005	Storage fault	Recording device fault	Restarting	If the fault continues, it is recommended to send it for after-sales maintenance.
6	E06	00006	Clock fault	Clock device fault	Restarting	If the fault continues, it is recommended to send it for after- sales maintenance.
7	E07	00007	Discharge MOS damage	Discharge circuit damage	Restarting	If the fault continues, it is recommended to send it for after-sales maintenance.
8	E08	00008	Charge MOS damage	Charge circuit damage	Restarting	If the fault continues, it is recommended to send it for after- sales maintenance.
9	E09	00009	Overcharge fault	 The charging voltage is higher than 4250mV, the overcharge protection threshold for single cell. BMS false alarm. 	Restarting	It does not affect riding at this time, but charging is not available; if the fault continues, it is recommended to send it for after- sales maintenance.
10	E10	0000A	Primary over discharge	Low voltage protection of battery discharge	Users are advised to charge in time.	
11	E11	0000B	Secondary over discharge			
12	E12	0000C	Primary overcurrent	The battery discharge current is greater than the primary overcurrent protection threshold.	The fault automatically disappears after 1min.	If the fault occurs repeatedly, it is recommended to send it for after- sales maintenance.

13	E13	0000D	Secondary overcurrent	The battery discharge current is greater than the secondary overcurrent protection threshold.	Disconnect the battery load or control the load current at lower than 110A, or troubleshoot the battery load circuit for any short circuit.	If the fault occurs repeatedly, it is recommended to send it for after- sales maintenance.
14	E14	0000E	Charging overcurrent	The charging current is greater than the protection threshold.	 Whether the charger is used incorrectly. If the problem cannot be solved after replacing with a matching charger, please send it for after-sales maintenance. 	
15	E15	0000F	Soft start failure	When the battery is connected with load, the external load capacitance is too large, resulting in failure to start directly.	Please power on and start the vehicle according to the instructions.	
16	E16	00010	Overtime pre- charge	1. BMS fault. 2. Charger is damaged or does not match.	If the problem cannot be solved after replacing with a matching charger, please send it for after-sales maintenance.	
17	E17	00020	MOS temperature sensor fault	MOS temperature sensor fault	Restarting	If the fault occurs repeatedly, it is recommended to send it for after- sales maintenance.
18	E18	00030	Cell temperature sensor fault	Cell temperature sensor fault	Restarting	If the fault occurs repeatedly, it is recommended to send it for after- sales maintenance.
19	E19	00040	Discharge overtemperature	During use, the internal temperature of the battery pack is too high.	Ride or charge after the temperature protection is removed. It is recommended to use the vehicle according to the instructions.	
20	E20	00050	Charge overtemperature	Too high cell temperature	Ride or charge after the temperature protection is removed. It is recommended to use the vehicle according to the instructions.	Riding is available but charging inoperable at the time.
21	E21	00060	Discharge under- temperature	Too low temperature	Ride or charge after the temperature protection is removed. It is recommended to use the vehicle according to the instructions.	
22	E22	00070	Charge under- temperature	Too low temperature	Ride or charge after the temperature protection is removed. It is recommended to use the vehicle according to the instructions.	
23	E23	00080	Discharge MOS overtemperature	MOS overtemperature during battery discharge	Ride or charge after the temperature protection is removed. It is recommended to use the vehicle according to the instructions.	
24	E24	00090	Charge MOS overtemperature	Charge MOS overtemperature during battery charge	Charge after the temperature protection is removed. It is recommended to use the vehicle according to the instructions.	

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25	E25	000A0	Overtemperature of soft start circuit	The soft start temperature is too high. At this time, the discharge MOS tube cannot be opened.	Ride after the temperature protection is removed.	
26	E26	000B0	Memory fault	Incorrect operation during production.	It is recommended to send it for after-sales maintenance.	
27	E27	000C0	Discharge fuse damage	No such fault yet.	/	
28	E28	000D0	Charge fuse damage	No such fault yet.	/	
29	E29	000E0	Third overcurrent	Short circuit in the external circuit.	Troubleshoot the external circuit for any short circuit.	If the fault occurs repeatedly, it is recommended to send it for after- sales maintenance.
30	E30	000F0	Fourth overcurrent	Short circuit in the external circuit.	Troubleshoot the external circuit for any short circuit.	If the fault occurs repeatedly, it is recommended to send it for after- sales maintenance.
31	E31	00100	Configuration fault	Incorrect operation during production.	It is recommended to send it for after-sales maintenance.	
32	E33	00300	Overcurrent at the controller phase line	The current of controller phase line reaches the protection threshold.	1. Disconnect all power supplies of the whole vehicle, check whether the motor phase line terminals are loose or broken, check whether the motor outgoing phase sequence corresponds to the U/V/W on the controller, and check whether the yellow, green and blue lines of the Hall output line at the motor end corresponds to those on the main cable; 2. check whether the rear wheels are stuck because the vehicle is ridden in a narrow tunnel;	If the fault still cannot be eliminated, it is recommended to replace the magnetic encoder assembly or send it for after-sales maintenance.
33	E34	00400	Controller bus overcurrent	The controller bus current reaches the protection threshold.	1. Disconnect all power supplies of the whole vehicle, check whether the motor phase line terminals are loose or broken, and check whether the motor outgoing phase sequence corresponds to the U/V/W on the controller, and check whether the yellow, green and blue lines of the Hall output line at the motor end corresponds to those on the main cable; 2. Whether the rear wheels are stuck because the vehicle is ridden in a narrow tunnel;	If the fault still cannot be eliminated, it is recommended to replace the magnetic encoder assembly or send it for after-sales maintenance.
34	E35	00500	Power tube failure	Dry joint or damage to controller MOS tube	Replace the controller assembly or send it for after-sales maintenance.	

35	E36	00600	Falling fault	The vehicle falls to the ground or the sensor is not properly connected or damaged.	Disconnect the power supply, righting the vehicle, and restart the vehicle, and the fault is eliminated;	If the fault still cannot be eliminated, it is recommended to replace the magnetic encoder assembly or send it for after-sales maintenance.
36	E37	00700	Handlebar fault	The connection of the speed regulating handlebar is loose, or the handlebar is not fully reset before using the key or is damaged.	1. Check whether the connecting plug of the speed regulating handlebar is loose or the harness is broken; 2. Check whether the handlebar is fully reset; 3. If the fault cannot be removed through the first two steps, it is recommended to replace the speed regulating handlebar.	
37	E38	00800	Low voltage protection	Triggered by insufficient battery power	It is recommended to charge in time.	
38	E39	00900	Overvoltage protection	The battery voltage is too high, triggering the maximum protection voltage threshold.	Make sure to use the matching original battery.	If the fault still cannot be eliminated, it is recommended to send it for after-sales maintenance.
39	E40	00A00	Hall motor fault	Poor contact of or damage to the Hall motor magnetic encoder	Check for any poor contact.	If the fault still cannot be eliminated, it is recommended to replace the motor encoder or send it for after-sales maintenance.
40	E41	00800	Motor phase line fault	Loose motor phase line or wrong wiring	Disconnect all power supplies of the whole vehicle, check whether the motor phase line terminals are loose or broken, and check whether the motor outgoing phase sequence corresponds to the U/V/W on the controller, and check whether the yellow, green and blue lines of the Hall output line at the motor end corresponds to those on the main cable.	If the fault still cannot be eliminated, it is recommended to send it for after-sales maintenance.
41	E42	00C00	Motor overtemperature	High-power operation for a long time, high motor temperature or poor contact or damage of temperature sensor	It is recommended to use it after the temperature protection is removed, or check whether the motor encoder plug is loose.	
42	E43	00D00	Motor temperature sensor fault	High-power operation for a long time, high motor temperature or poor contact or damage of temperature sensor	It is recommended to use it after the temperature protection is removed, or check whether the motor encoder plug is loose.	

43	E44	00E00	Controller overtemperature	High-power operation for a long time and high controller temperature	It is recommended to use it after the temperature protection is removed.	
44	E45	00F00	Controller temperature sensor fault	High-power operation for a long time, high controller temperature or poor contact or damage of temperature sensor	It is recommended to use it after the temperature protection is removed.	
45	E46	01000	Current sensor fault	Failure of current sensor	It is recommended to send it for after-sales maintenance.	
46	E47	02000	Motor phase deficiency	1. Air switch is not turned off; 2. Loose motor phase line (U/V/W) or wrong wiring.	1. Turn on the air switch when the battery case cover is closed; 2. Disconnect all power supplies of the whole vehicle, check whether the motor phase line terminals are loose or broken, and check whether the motor outgoing phase sequence corresponds to the U/V/W on the controller, and check whether the yellow, green and blue lines of the Hall output line at the motor end corresponds to those on the main cable.	If the fault still cannot be eliminated, it is recommended to send it for after-sales maintenance.
47	E48	03000	Motor stalling fault	The rear wheel is stuck in a pit and cannot rotate during riding, or the motor/gearbox/brake and chain are stuck, or the load is too large, reaching the maximum current protection threshold.	The key is OFF: 1. Retract the kickstand, lift the rear wheel off the ground, and rotate the rear wheel by hand. The rear wheel should rotate smoothly. Eliminate the motor, gearbox, chain and brake stalling; 2. Ride on suitable roads;	If the fault still cannot be eliminated, it is recommended to send it for after-sales maintenance.
48	E49	04000	Communication fault	Loose CAN communication line or hardware failure	Disconnect the power supply: Check whether the CAN communication interface of the whole vehicle falls off or breaks; (CAN network harness exists in the instrument plug, controller plug and battery communication plug) repair the loose or damaged parts and restart.	If the fault still cannot be eliminated, it is recommended to send it for after-sales maintenance.

