

Fault indication

Fault	code	Fault	fix the failure
E_BRAKE_ON	0x001	brake	Release brake signal, high level is effective, release high level, low level is effective, ground
OVER_CURRENT	0x02	hardware overcurrent	
UNDER_VOLTAGE	0x04	undervoltage	Check the battery voltage / reduce the undervoltage value
HALL_ERROR	0x08	hall failure	Check whether the Hall wire is loose/the sequence of the phase wires is correct/whether the Hall is faulty
OVER_VOLTAGE	0x10	over voltage	Check the battery voltage/adjust the overvoltage value
MCU_ERROR	0x20	controller failure	restart controller
MOTOR_BLOCK	0x40	lock motor failure	Motor stalled, check for overload
FOOTPLATE_ERR	0x80	throttle failure	Check whether the wiring sequence of the handle/operating voltage range matches/turn the handle back to zero and start again
SPEED_CONTROL	0x100	flying car	Verify that the phase shift angle match is accurate
WRITING_EEPROM	0x200	EEROM write	Program upload error, re-upload the program
START_UP_FAILURE	0x800	qc failure	
OVERHEAT	0x1000	controller overheating	The power does not match, replace a controller with a higher power or a motor with a smaller power
OVER_CURRENT1	0x2000	software overcurrent	
ACCELERATE_PADAL_ERR	0x4000	throttle failure	Check whether the wiring sequence of the handle/operating voltage range matches/turn the handle back to zero and start again
ICS1_ERR	0x8000	current sensor failure	
ICS2_ERR	0x10000	current sensor failure	
BREAK_ERR	0x20000	brake failure	Release brake signal, high level is effective, release high level, low level is effective, ground
HALL_SEL_ERROR	0x40000	hall	Check whether the Hall wire is loose/the sequence of the phase wires is correct/whether the Hall is faulty
MOSFET_DRIVER_FAULT	0x80000	drive failure	Check the phase sequence of the motor/whether the motor is faulty
MOSFET_HIGH_SHORT	0x100000	MOS tube high side short circuit	
PHASE_OPEN	0x200000	lack of phase	Check the phase sequence of the motor line and whether there is a virtual connection
PHASE_SHORT	0x400000	Phase short circuit	Check the phase sequence of the motor line and whether there is a short circuit
MCU_CHIP_ERROR	0x800000	controller failure	
PRE_CHARGE_ERROR	0x1000000	Precharge failure	
OVERHEAT1	0x8000000	motor overheating	The power does not match, replace a motor with a higher power or a controller with a lower power
SOC_ZERO_ERROR	0x80000000	SOC is 0	Detect whether the signal line sequence and protocol match

EM150-2 LED fault indication

MCU_CHIP_ERROR	0x24	controller failure
FOOTPLATE_ERR	0x12	throttle failure
OVER_CURRENT	0x42	overcurrent
HALL_ERROR	0x13	hall failure
MAIN_RELAY_DRIVER	0x22	contactor drive failure
UNDER_VOLTAGE	0x14	Undervoltage
OVERHEAT	0x21	Controller overheating
CAN_COMMUNICATION_TIM	0x23	CAN communication timeout
PRE_CHARGE_ERROR	0x25	Precharge failure
SPI_COMMUNICATION_ERRO	0x31	Magnetic encoder communication error
ANGLE_SENSOR_ERROR	0x32	Magnetic code failure
OVERHEAT ₁	0x33	motor overheating
OVERHEAT ₂	0x34	radiator overheating
MOTOR_BLOCK	0x35	Lock motor failure
MAIN_RELAY_FAULT	0x43	contactor failure
OTHER	0x11	other
Fast flashing high position, slow flashing low position		