

Light Bee diagnostic identification chart

(2019.02.22)

Ref	LED No of flash times	Diagnostic explanation	Diagnostic code Shown on instrument	Solution
1	1	normal operation condition	----	----
2	2	controller power tube malfunction	Er-208	turn off power switch and turn on again
3	3	controller hardware over current protection	Er-207	leave throttle to idle position and twist throttle again
4	4	controller software over current protection	Er-206	auto recovery
5	5	motor main cable phase malfunction	Er-205	turn off power switch and turn on again
6	6	motor Hoare coil malfunction	Er-204	turn off power switch and turn on again
7	7	motor stall protection	----	leave throttle to idle position and twist throttle again
8	8	controller level. 1 over temperature protection	Er-202	turn off power switch and turn on again
9	9	controller level. 2 over temperature protection	Er-201	turn off power switch and turn on again
10	10	motor level. 1 over temperature protection	Er-216	turn off power switch and turn on again
11	11	motor level. 2 over temperature protection	Er-215	turn off power switch and turn on again
12	12	battery level.2 over voltage protection	----	leave throttle to idle position and twist throttle again
13	13	battery level.2 low voltage protection	Er-213	leave throttle to idle position and twist throttle again
14	14	throttle rush-out protection	Er-212	turn off power switch and turn on again
15	15	Throttle to controller signal wire short-circuit	Er-211	turn off power switch and turn on again
16	16	brake protection	----	auto recovery
17	21	controller current sampling failure	Er-209	turn off power switch and turn on again
18	22	side stand protection	Er-224	auto recovery
19	23	tilt switch protection	Er-223	leave throttle to idle position and twist throttle again
20	24	key switch port power failure protection	Er-222	turn off power switch and turn on again
21	25	battery low voltage protection (level. 1)	Er-221	turn off power switch and turn on again
22	27	CAN communication malfunction	ER 217	auto recovery

23	----	communication malfunction(ER 002	auto recovery
24	28	battery premier discharge(voltage) protection(level. 2)	Er-105	charging battery to recovery
25	29	battery discharge low temperature protection(level. 2)	Er-114	turn off power switch and turn on again
26	30	battery over temperature protection(level. 1)	Er-219	turn off power switch and turn on again
27	31	controller and battery 485 communication no response	Er-216	auto recovery
28	32	controller and battery 485 communication unmatched		auto recovery
29	33	battery SOC low capacity protection	Er-218	turn off power switch and turn on again
30	17	motor temperature sensor malfunction	Er-200	auto recovery
31	18	battery BMS discharging MOS malfunction	Er-107	recovery after fault removal
32	18	battery BMS charging MOS malfunction	Er-106	recovery after fault removal
33	19	battery BMS MOS temperature sensor malfunction	Er-102	auto recovery
34	19	battery cell temperature sensor malfunction	----	auto recovery
35	20	battery discharge over temperature protection(level. 2)	Er-116	temperature drop to working temperature to recovery
36	26	battery cell charging over temperature protection(level. 2)	----	temperature drop to working temperature to recovery
37	34	battery cell charging low temperature protection(level. 2)	----	temperature rise to working temperature to recovery
38	20	battery discharging MOS over temperature protection(level. 2)	----	temperature drop to working temperature to recovery
39	26	battery charging MOS over temperature protection(level. 2)	----	temperature drop to working temperature to recovery
40	20	battery BMS soft start circuit over temperature protection(level. 2)	----	temperature drop to working temperature to recovery
41	35	battery over current protection (level.3)	----	auto recovery

42	----	battery BMS discharge MOS over temperature protection(level. 1)	Er-120	temperature drop to working temperature to recovery
43	----	battery premier over discharge(voltage) protection(level. 1)	Er-119	auto recovery
44	----	battery discharge low temperature protection(level. 1)	Er-118	temperature rise to working temperature to recovery
45	----	battery discharge over temperature protection(level. 1)	Er-117	temperature drop to working temperature to recovery