Fault code for Vizion

Fault code:

The first, third and fourth bits of fault code: displayed according to the actual value

The second bit of fault code: no matter it is actually 1, 2 or 3, only 3 is displayed.

Malfunctioning prompt:

When the second bit of the fault code is 1, it flashes once (the flashing frequency is 1Hz, repeated after 3 seconds until it stops 5 seconds after the fault is removed)

When the second bit of the fault code is 2, it flashes twice (the flashing frequency is 1Hz, repeated after 3 seconds until it stops 5 seconds after the fault is removed)

When the second bit of the fault code is 3, it flashes for three times (the flashing frequency is 1Hz, repeated after 3 seconds until it stops 5 seconds after the fault is removed)

Faulty component	Malfunctioning list	Fault code
Power system P (motor, controller	Controller overvoltage failure	P301
	Controller undervoltage failure	P302
	Controller overcurrent failure	P303
	Motor locked failure	P304
	Motor position sensor failure	P305
	Power tube failure	P306
	Controller phase loss failure	P307
	Motor controller self-test failure	P310
	Controller over temperature fault 1	P111
	Controller over temperature fault 2	P211
	Controller over temperature fault 3	P311
	Motor over temperature fault 1	P124
	Motor over temperature fault 2	P224

	Motor over temperature fault 3	P324
	Acceleration handle failure	P314
	Brake failure	P320
	Communication failure	P321
	Precharge fault	P322
	Motor controller system fault level 1	P123
	Motor controller system fault level 2	P223
	Motor controller system fault level 3	P323
Battery system b (cell, BMS)	Cell failure	b302
	Total discharge voltage overvoltage fault	b309
	Discharge cell undervoltage fault 1	b110
	Discharge cell undervoltage fault 2	b210
	Discharge cell undervoltage fault 3	b310
	BMS discharge over temperature fault 1	b119
	BMS discharge over temperature fault 2	b219
	MBS discharge over temperature fault 3	b319
	BMS charging over temperature fault 1	b120
	BMS charging over temperature fault 2	b220
	BMS charging over temperature fault 3	b320
	BMS discharge under temperature fault 1	b121
	BMS discharge under temperature fault 2	b221
	BMS discharge under temperature fault 3	b321
	BMS charging under temperature fault 1	b122
	BMS charging under temperature fault 2	b222
	BMS charging under temperature fault 3	b322

	BMS charging overcurrent fault 1	b114
	BMS charging overcurrent fault 2	b214
	BMS charging overcurrent fault 3	b314
	BMS discharge overcurrent fault 1	b130
	BMS discharge overcurrent fault 2	b230
	BMS discharge overcurrent fault 3	b330
	Cell differential pressure fault 1	b103
	Cell differential pressure fault 2	b203
	Cell differential pressure fault 3	b303
	Battery insulation fault 1	b131
	Battery insulation fault 2	b231
	Battery insulation fault 3	b331
	Battery short circuit failure	b332
	BMS internal communication failure	b333
	BMS internal MOS failure or relay failure	b307
	Charging cell undervoltage fault level 1	b140
	Charging cell undervoltage fault level 2	b240
	Charging cell undervoltage fault level 3	b340
Battery system b (cell, BMS)	Uneven temperature fault 1	b141
	Uneven temperature fault 2	b241
	Uneven temperature fault 3	b341
	Total charging voltage overvoltage fault	b342
	Total discharge voltage undervoltage fault	b343
	Total charging voltage undervoltage fault	b344
	Discharge cell overvoltage fault	b345

	Charging cell overvoltage protection	b346
	Delay bonding	b349
	Power tube temperature failure	b347
	Communication failure	b348
Charger	Charger fault 1	C101
	Charger fault 2	C201
	Charger fault 3	C301
	Hardware fault 3	C302
	Communication fault 3	C303
	Short circuit protection 3	C304
	Open circuit protection 3	C305
	Temperature state 1	C106
	Temperature state 2	C206
	Temperature state 3	C306
	Input overvoltage protection 1	C107
	Input overvoltage protection 2	C207
	Input overvoltage protection 3	C307
	Input undervoltage protection 1	C108
	Input undervoltage protection 2	C208
	Input undervoltage protection 3	C308
	Output overcurrent protection 1	C109
	Output overcurrent protection 2	C209
	Output overcurrent protection 3	C309
	Output overvoltage protection 1	C110
	Output overvoltage protection 2	C210

Charger	Output overvoltage protection 3	C310
	Output undervoltage protection 1	C111
	Output undervoltage protection 2	C211
	Output undervoltage protection 3	C311