

Fault code	Fault type	Possible cause	Solutions
OUt1	IGBT Ph-U fault	<ul style="list-style-type: none"> ● The acceleration is too fast ● IGBT module fault ● Misaction caused by interference ● The connection of the driving wires is not good, ● Grounding is not properly 	<ul style="list-style-type: none"> ● Increase Acc time ● Change the power unit ● Check the driving wires ● Inspect external equipment and eliminate interference
OUt2	IGBT Ph-V fault		
OUt3	IGBT Ph-W fault		
OC1	Over-current when acceleration	<ol style="list-style-type: none"> 1. The acceleration or deceleration is too fast. 2. The voltage of the grid is too low. 3. The power of the inverter is too low. 4. The load transients or is abnormal. 5. The grounding is short circuited or the output is phase loss. 6. There is strong external interference. 7. The overvoltage stall protection is not open. 	<ol style="list-style-type: none"> 1. Increase the ACC time 2. Check the input power 3. Select the inverter with a larger power 4. Check if the load is short circuited (the grounding short circuited or the wire short circuited) or the rotation is not smooth. 5. Check the output configuration. 6. Check if there is strong interference. 7. Check the setting of relative function codes.
OC2	Over-current when deceleration		
OC3	Over-current when constant speed running		
OV1	Over-voltage when acceleration	<ol style="list-style-type: none"> 1. The input voltage is abnormal. 2. There is large energy feedback. 3. No braking components. 4. Braking energy is not open 	<ol style="list-style-type: none"> 1. Check the input power 2. Check if the DEC time of the load is too short or the inverter starts during the rotation of the motor or it needs to increase the energy consumption components. 3. Install the braking components. 4. Check the setting of relative function codes.
OV2	Over-voltage when deceleration		
OV3	Over-voltage when constant speed running		
UV	DC bus Under-voltage	<ol style="list-style-type: none"> 1. The voltage of the power supply is too low. 2. The overvoltage stall protection is not open. 	<ol style="list-style-type: none"> 1. Check the input power of the supply line. 2. Check the setting of relative function codes.
OL1	Motor overload	<ol style="list-style-type: none"> 1. The voltage of the power supply is too low. 2. The motor setting rated current is incorrect. 3. The motor stall or load transients is too strong. 	<ol style="list-style-type: none"> 1. Check the power of the supply line 2. Reset the rated current of the motor 3. Check the load and adjust the torque lift

Fault code	Fault type	Possible cause	Solutions
OL2	Inverter overload	<ol style="list-style-type: none"> 1. The acceleration is too fast 2. Reset the rotating motor 3. The voltage of the power supply is too low. 4. The load is too heavy. 5. Close loop vector control, reverse direction of the code panel and long low-speed operation 	<ol style="list-style-type: none"> 1. Increase the ACC time 2. Avoid the restarting after stopping. 3. Check the power of the supply line 4. Select an inverter with bigger power. 5. Select a proper motor.
OL3	Electrical overload	The inverter will report overload pre-alarm according to the set value.	Check the load and the overload pre-alarm point.
SPI	Input phase loss	Phase loss or fluctuation of input R,S,T	<ol style="list-style-type: none"> 1. Check input power 2. Check installation distribution
SPO	Output phase loss	U,V,W phase loss input(or serious asymmetrical three phase of the load)	<ol style="list-style-type: none"> 1. Check the output distribution 2. Check the motor and cable
OH1	Rectify overheat	<ol style="list-style-type: none"> 1. Air duct jam or fan damage 2. Ambient temperature is too high. 3. The time of overload running is too long. 	<ol style="list-style-type: none"> 1. Refer to the overcurrent solution 2. Redistribute dredge the wind channel or change the fan 3. Low the ambient temperature 4. Check and reconnect 5. Change the power 6. Change the power unit 7. Change the main control panel
OH2	IGBT overheat		
EF	External fault	SI external fault input terminals action	Check the external device input
CE	Communication error	<ol style="list-style-type: none"> 1. The baud rate setting is incorrect. 2. Fault occurs to the communication wiring. 3. The communication address is wrong. 4. There is strong interference to the communication. 	<ol style="list-style-type: none"> 1. Set proper baud rate 2. Check the communication connection distribution 3. Set proper communication address. 4. Chang or replace the connection distribution or improve the anti-interference capability.

Fault code	Fault type	Possible cause	Solutions
ItE	Current detection fault	<ol style="list-style-type: none"> 1. The connection of the control board is not good 2. Assistant power is bad 3. Hoare components is broken 4. The modifying circuit is abnormal. 	<ol style="list-style-type: none"> 1. Check the connector and repatch 2. Change the Hoare 3. Change the main control panel
tE	Autotuning fault	<ol style="list-style-type: none"> 1. The motor capacity does not comply with the inverter capability 2. The rated parameter of the motor does not set correctly. 3. The offset between the parameters from autotune and the standard parameter is huge 4. Autotune overtime 	<ol style="list-style-type: none"> 1. Change the inverter mode 2. Set the rated parameter according to the motor name plate 3. Empty the motor load. 4. Check the motor connection and set the parameter. 5. Check if the upper limit frequency is above 2/3 of the rated frequency.
EEP	EEPROM fault	<ol style="list-style-type: none"> 1. Error of controlling the write and read of the parameters 2. Damage to EEPROM 	<ol style="list-style-type: none"> 1. Press STOP/RST to reset 2. Change the main control panel
PIDE	PID feedback fault	<ol style="list-style-type: none"> 1. PID feedback offline 2. PID feedback source disappear 	<ol style="list-style-type: none"> 1. Check the PID feedback signal 2. Check the PID feedback source
bCE	Braking unit fault	<ol style="list-style-type: none"> 1. Braking circuit fault or damage to the braking pipes 2. The external braking resistor is not sufficient 	<ol style="list-style-type: none"> 1. Check the braking unit and , change new braking pipe 2. Increase the braking resistor
END	Time reach of factory setting	The actual running time of the inverter is above the internal setting running time.	Ask for the supplier and adjust the setting running time.
PCE	Keypad communication error	<p>The keypad is not in good connection or offline;</p> <p>The keypad cable is too long and there is strong interference;</p> <p>Part of the communication circuits of the keypad or main board have fault.</p>	<p>Check the keypad cable and and ensure it is normal;</p> <p>Check the environment and eliminate the interference source;</p> <p>Change hardware and ask for maintenance service.</p>

Fault code	Fault type	Possible cause	Solutions
UPE	Parameter upload error	The keypad is not in good connection or offline; The keypad cable is too long and there is strong interference; Part of the communication circuits of the keypad or main board have fault.	Check the environment and eliminate the interference source; Change hardware and ask for maintenance service; Change hardware and ask for maintenance service.
DNE	Parameter download error	The keypad is not in good connection or offline; The keypad cable is too long and there is strong interference; Data storage error in keypad	Check the environment and eliminate the interference source; Change hardware and ask for maintenance service; Backup data in the keypad again
ETH1	Grounding shortcut fault 1	1.The output of the inverter is short circuited with the ground 2.There is fault in the current detection circuit 3.There is a great difference between the actual motorpower setting and the inverter power	1.Check if the connection of the motor is normal or not 2.Change the hoare 3.Change the main control panel 4.Reset the correctmotor parameter
ETH2	Grounding shortcut fault 2		
LL	Electronic underload fault	The inverter will report the underload pre-alarm according to the set value.	Check the load and the underload pre-alarm point.

6.2.4 Other states

Fault code	Fault type	Possible cause	Solutions
PoFF	System power off	System power off or low DC voltage	Check the grid