

Name	Cause(s)	Error code
Overcurrent protection	When the inverter output current exceeds the rated current during the motor locked or reduced in speed. Protection circuit activates, halting inverter output.	E04
Overload protection	When the inverter output current causes the motor to overload, the electronic thermal trip in the inverter cuts off the inverter output.	E05
Overvoltage protection	If regenerative energy from the motor or the main power supply voltage is high, the protective circuit activates to cut off the inverter output when the voltage of DC link exceeds the specification	E07
Communication error	Communication error between inverter and its operator. If the Reset signal persists for more than 4 seconds, it will occur.	E60
Under-voltage protection	When input voltage drops below the low-voltage detection level, the control circuit does not function normally. It will cause of overheat of motor and lack of torque that is why if receiving voltage is under 150~160V (200V class) or 300~320V (400V class), the inverter output is cut off.	E09
Output short-circuit	The inverter output was short-circuited. This condition causes excessive current for the inverter that is why, the inverter output is turned off.	E04 or E34
USP error	The USP error is indicated when the power is turned on with the Inverter in RUN state. (Enabled when the USP function selected)	E13
EEPROM	The inverter output is cut off when EEPROM in the inverter has an error due to external noise, excessive temperature rise, or other factors. If the error is occurred, please check setting data again. If error is occurred when power-on and does not off, please turn off the inverter at least 10minutes and power on again.	E08
External trip	When the external equipment or unit has an error, the inverter receives the corresponding signal and cuts off the output.	E12
Temperature trip	When the temperature in the main circuit increases due to cooling fan stop, the inverter output is cut off.	E21
Ground fault	When ground fault is detected on running condition, the output is cut off.	E14
Inverter overload	The power device IGBT is protected from over heat. The operating time of inverter is 1 minute with 150% load of HD or 120% load of ND. The operating time is changed depending on carrier frequency, load, ambient temperature and power rating.	E17
Input phase loss	A function that detects phase loss in the input AC source to prevent damages.	E20
Braking resistor overload protection	When BRD exceeds the usage ratio of the regenerative braking resistor, the over-voltage circuit activates and the inverter output is switched off.	E06