

What to do if the bus voltage is high despite a small load

Numerous built-in protections and fault indications are provided with modern VFDs, including the commonly seen DC Bus Overvoltage Fault. This fault has several possible causes and this ...

An Over-Voltage trip (OVT or OUT) occurs when the DC bus voltage exceeds the maximum allowable level. This can be caused by a number of conditions therefore it is ...

If the generated energy is not absorbed anywhere, the voltage of HV DC bus capacitors will rise above overvoltage threshold (Over voltage fault threshold FOV) and trigger an software cleanable ...

Once you've identified where the excess voltage is coming from, you can dial into fixing it. The solution could be as simple as reconfiguring your drive parameters.

The sudden drop in load in the event the drive shaft is de-coupled would cause the motor to over speed and regenerate power to cause rise in the DC bus. This is when resistors come to the ...

To solve an overvoltage during acceleration, try to reduce the accel time. It usually takes some experimenting and fine tuning before a technician is satisfied with the results and commits to ...

Understand inverter DC bus overvoltage causes--high input voltage or regenerative energy. Learn protection methods like braking resistors and stall prevention.

Check the condition of the load wiring and the motor to ensure they are not the cause of the problem. If they are free from defect, test the VSD.

Learn why your inverter's DC bus voltage may be higher than expected and how to diagnose the issue effectively.

There are many reasons why a Drive can get a Bus Overvoltage fault (F05). This particular document will address one reason why this can occur every time the drive is started.



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