

Inverter AC Reactor





Overview

What is reactor AC for inverter?

Reactor AC for inverter is installed next to the inverter between the inverter and water pump. The drive output reactors can smooth filter, reduce motor noise and help prolong the life of the water pump; reduce the leakage current caused by the output higher harmonic, and protect the power switch devices in the inverter.

Which reactors match the inverter?

The reactors that match the inverter are generally divided into two types: AC Reactors (input reactor, output reactor) and DC reactor. In actual applications, the corresponding reactor should be selected according to different situations.

What is the difference between AC and DC reactors?

AC reactors reduce harmonics, mitigates transient conditions and helps to maintain proper phase to phase voltages. DC reactors will also mitigate harmonics however it will provide more harmonic attenuation than a equally sized AC reactor. The DC reactor will reduce current transients through the rectifier that are resultant from voltage transients.

How do I choose a line reactor for an AC drive?

To choose a line reactor for an AC drive, identify the inverter's supply input voltage and phase, rated power, Fundamental Current, Inductance and desired reactor Impedance. Hitachi offers a wide range of line reactors for AC drives, specifically for 3-Phase 200-230 VAC, 1-Phase 200-240 VAC, and 3-Phase 380-480 VAC voltage ranges.



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Hitachi AC Line Reactors , AC Line Reactor for VFD and AC ...

Hitachi AC Line reactors are a Variable Frequency Drive (VFD) component used to protect Hitachi inverters from rapid rise of current, to avoid unnecessary tripping of the inverter. Line reactors ...

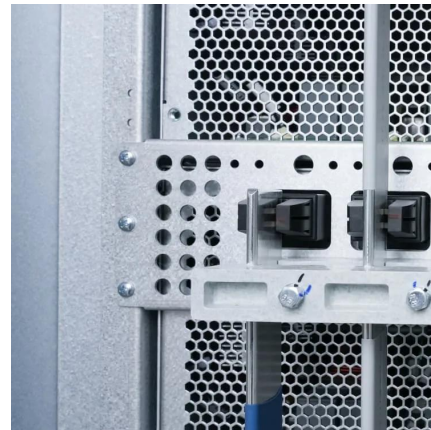


[Inverter : Output side AC reactor](#)

May 30, 2024 · Inverter : Output side AC reactor
This reactor reduces the vibration in the motor caused by the inverter's switching waveforms, by smoothing the waveforms to approximate ...

AC & DC Reactor

Features Voltage: 380-690V Matching with Powtran AC Drives. Matching with Powtran AC Drives. Applications: Optional accessories of AC Drives. Enhance power factor and purify power ...



[AC output reactor, Output choke, VFD reactor](#)

CHZIRI AC output reactor is mainly used for the smoothing filtering. By reducing the transient voltage dv/dt , it extends the service-life of the ...



[Output AC Reactor For Vfd, Line Reactors For ...](#)

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Ac Inverter Reactor

The Ac Inverter Reactor is classified under our comprehensive Transformer range. To find a trusted supplier in China, conduct thorough research, check online reviews and testimonials. It ...



[AC reactors play an important role in inverters.](#)

Feb 21, 2025 · Understanding the critical role of AC reactors in inverters, including improving power factor, suppressing harmonic currents, and protecting internal circuits to achieve ...





Functions Of Ac Reactor And Dc Reactor Of Inverter

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What's the difference of AC reactor against DC reactor in inverter?

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Output AC Reactor For Vfd, Line Reactors For Ac Drives , Micno

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AC to DC DC Bus Filter DC to AC Inverter Capacitor ...

Jul 15, 2024 · AC to DC DC Bus Filter DC to AC Inverter Capacitor Inverter Applications of Line and Load Reactors with Variable Frequency Drives Line Transients ST

AC output reactor, Output choke, VFD reactor

CHZIRI AC output reactor is mainly used for the smoothing filtering. By reducing the transient voltage dv/dt , it extends the service-life of the electrical machine.



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