What is the purpose of a REACTOR in an inverter system?

1) There are several reactors in a mini-split system.
2) When a reactor is in the incoming power line, the reactor reduces inrush current, harmonic waves and improves the power factor.
3) When a reactor is in the inverter, there is a DC link (reactor) between the DC rectifier and inverter to stabilize the inverter and improve the power factor.
4) When a reactor is installed on the outlet of the inverter circuit, the reactor will lower line noise from the inverter and lowers pulse voltage from the inverter.

To test a reactor use a multi meter set to resistance– the resistance should be “0 ohms” (continuity should be present). An open circuit indicates a defective reactor.

A defective reactor in the incoming power line can harm the outdoor unit main board and the indoor unit main board.