

## Knowledge Base Article

### How to Install Ferrite Cores?

#### 3.1 Parts List

Check the equipment before installation. Please make sure nothing is damaged in the package. You should have received the items in the following package:

 Hybrid inverter x1	 Stainless steel anti-collision bolt M8x80 x4	 Parallel communication cable x1
 L-type Hexagon wrench x1	 User manual x1	 Wi-Fi-Plug(optional) x1
 Battery temperature sensor x1	 Sensor Clamp x2	 Stainless steel mounting screws M4*12 x2
 Magnetic ring for battery x 1	 Magnetic ring x3*	*One for BMS communication cable, and another two for AC wires.

#### DEFINITION

Magnetic ring x 3:

One for BMS communication cable

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Two for AC wires (Grid & Load).

Magnetic ring for battery x 1:

For the NVPlus battery.

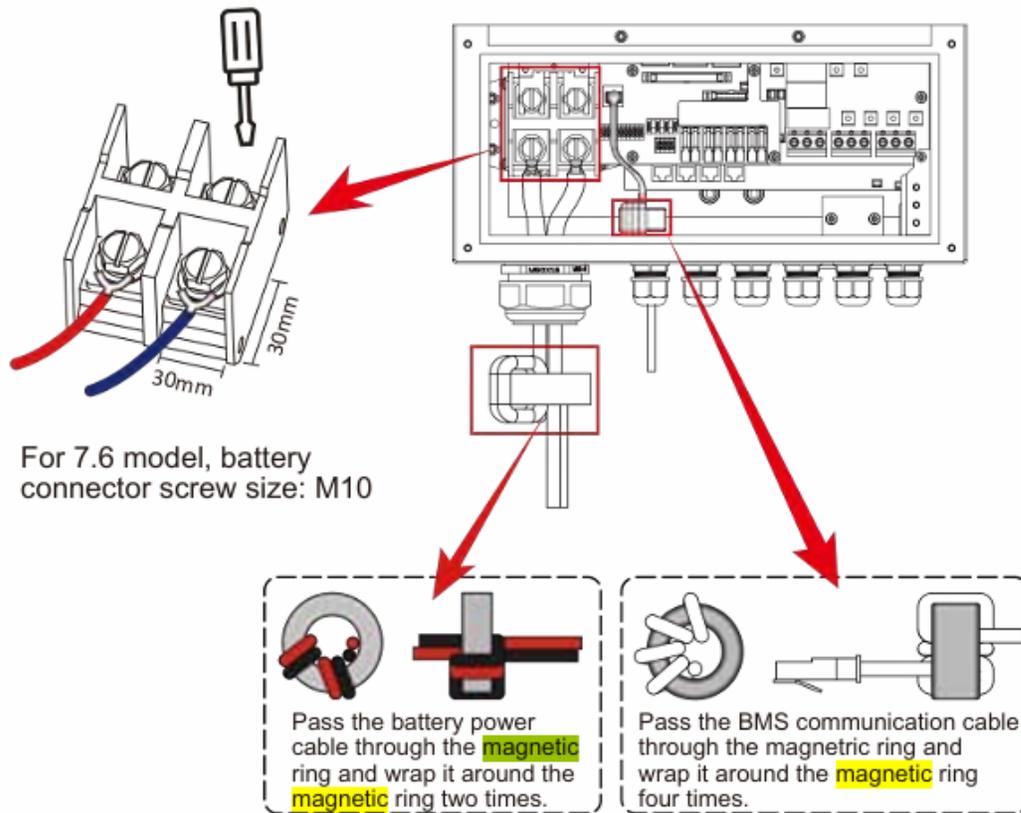
### RESPONSIBILITY

Installer to ensure they are installed.

1. Take the magnetic ring for the battery.
2. Pass the battery POS & NEG power cable through the magnetic ring and wrap it around the ring once, if an auxiliary wire gutter is installed. If the battery conduit is terminated directly into the inverter, then pass the battery cables straight through the magnetic ring. Keep the ring as close to the inverter battery terminals as possible.
3. Take the magnetic ring for the BMS communications.
4. Pass the BMS communication cable through the magnetic ring and wrap it around the magnetic ring 3-4 times.

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1. Take the two magnetic rings for the AC wires.
2. If there is AC-Solar or Generator connected to the Inverter, then use the 1<sup>st</sup> ring and pass all the wires (L1/L2/N) once to twice through the ring. If there is no AC-Solar or Generator connected, then pass all the Grid wires (L1/L2/N) once to twice through the ring. The 2<sup>nd</sup> ring is used for the load output wires. Pass all the load wires (L1/L2/N) once to twice through the 2<sup>nd</sup> ring.

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3. Then insert these wires into the terminals according to polarities indicated on the terminal block. Ensure the magnetic rings are placed as close to the terminals as possible. Secure them with a cable tie if needed.
  4. Tighten the terminal screws and make sure the wires are completely and safely connected.
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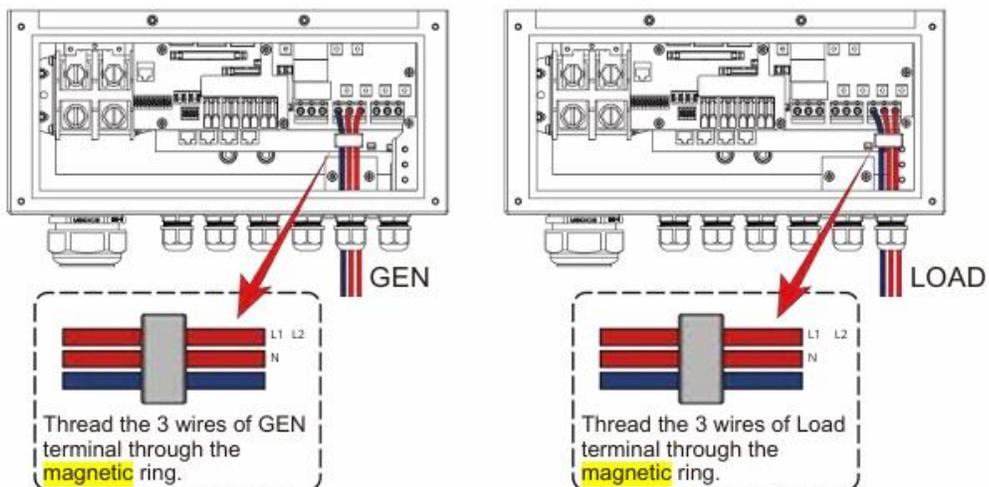
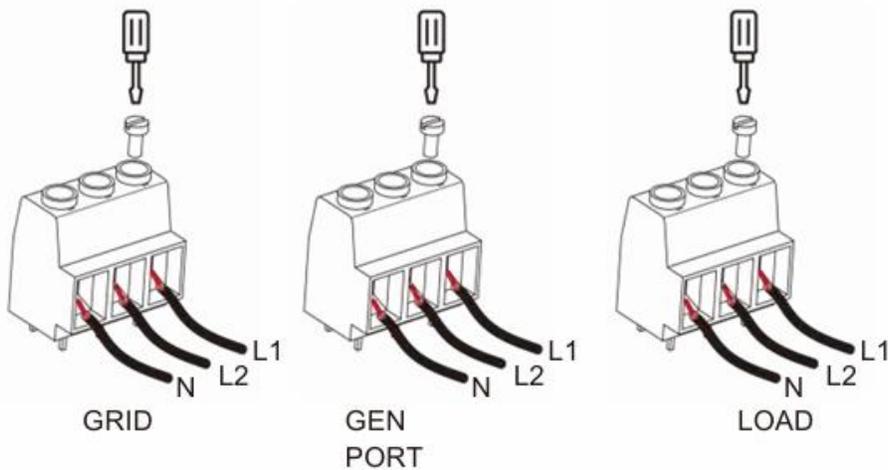
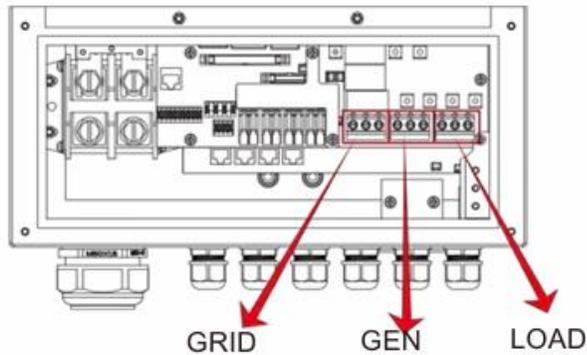
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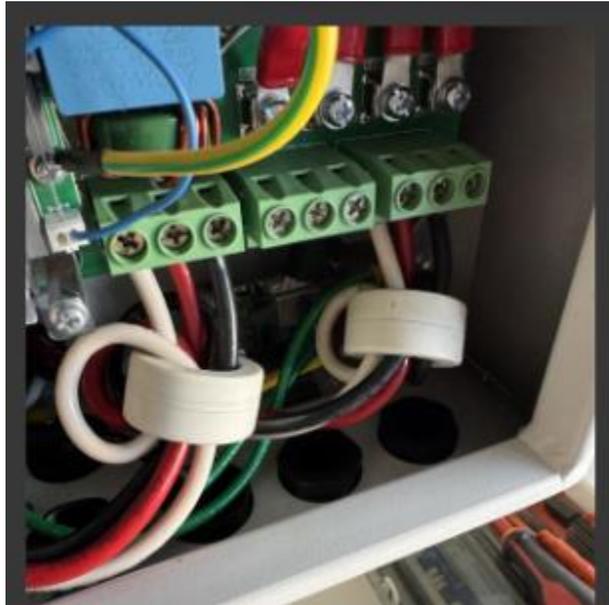


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Attach as close as possible to the terminals.

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