



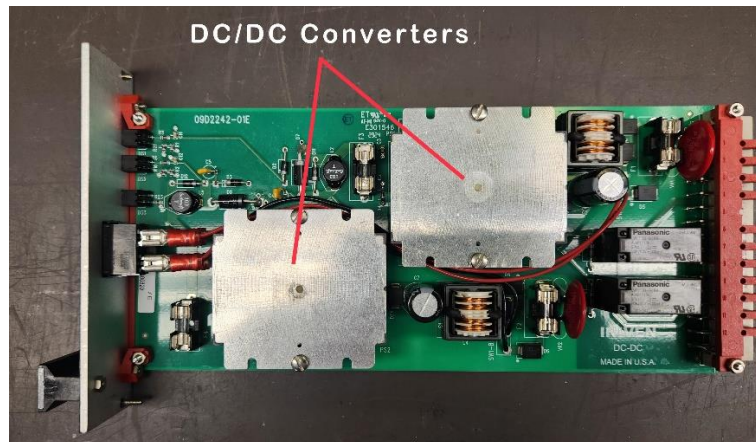
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PDR-2000 DC Module with DC/DC Converters Product Technical Revisions

The PDR-2000 DC Module is available in three main revisions, each equipped with different types of DC/DC converters. The three versions are easy to visually distinguish.

The DC Module is the complete board assembly.

The DC/DC converters are attached using sockets to the DC Module



The original DC Module was equipped with Vicor brand DC/DC converters. These are single voltage (24, 48, 125, or 250 VDC) supplies. They can be distinguished by the attached heat sink. If replacing the DC/DC converter, the new Vicor must match the input voltage.



Figure 1. Vicor DC/DC modules

New PDR-2000 shipments are equipped with either Synqor or Cincon brand DC/DC converters. These are both wide range (24-125 VDC) supplies. Both Synqors and Cincons use the same socket pattern on the DC Module. While physically similar, they are not interchangeable. The physical standoffs are of different heights. There are also differences in resistors as part of the protection circuit.

Cincon DC converters have a smaller top plate and a metal bracket that is used to secure the DC/DC converter to the PC Board.



Figure 2. Cincon DC/DC modules

Synqor DC/DC converters have a larger top plate and mount directly to the PC board without a bracket.

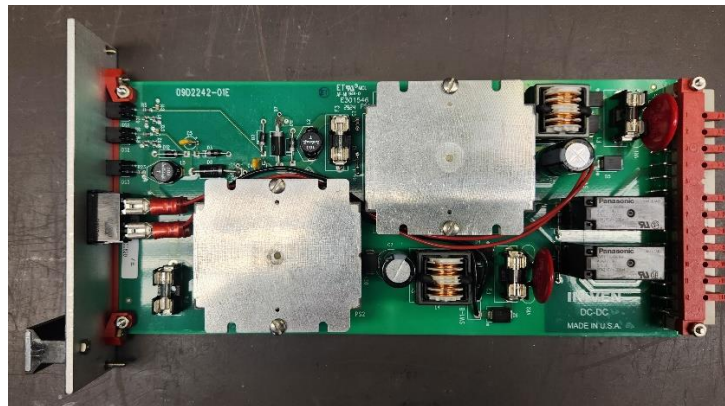


Figure 3. Synqor DC/DC modules

All Inven PDR-2000 DC Modules are supported. Vicor equipped DC Modules are no longer supplied in new PDR-2000 units due to the advantages of the wide range DC inputs and lower thermal requirements found in the Synqor and Cincon DC/DC converters.

If a PDR-2000 is equipped with a DC Module with Vicor DC/DC converters, there is no need to replace it.

In the unlikely event a DC/DC converter needs to be replaced, the same brand of DC/DC converter must be used. All DC Modules can replace each other. In other words, a DC Module equipped with Cincon DC/DC converters can be swapped out with a DC Module with Synqor DC/DC converters. If a Vicor

equipped DC Module is being used to replace either a Synqor or Cincon equipped DC Module, confirm that the DC input voltage matches the DC voltage of the input circuit.

If you have any questions regarding the PDR-2000 DC Module or any other Iniven product, please contact us at **1-908-722-3770** or by email at sales@iniven.com. You can also reach us through our website at <https://www.iniven.com/contact> .