

AVID CONTROLS®

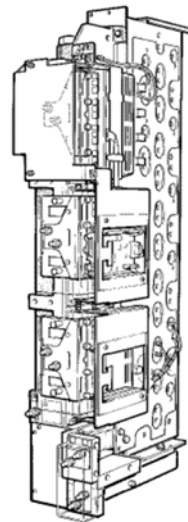
UPGRADE TO MVDL800 / MVDL1000

The **MVDL800** and **MVDL1000** liquid-cooled inverter modules from Avid Controls offer a cost-effective upgrade path to your Alstom, Convertteam or Cegelec MV3000 drive systems.

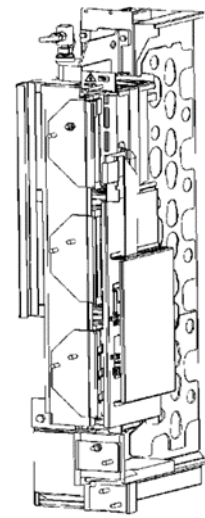
The original DELTA modules rated at 643A have been obsolete for some time putting these systems at risk in the event of a fault. It is now possible to replace these obsolete modules with brand new units thus extending the life of the equipment.

Some advantages of upgrading to the **MVDL800** and **MVDL1000**:

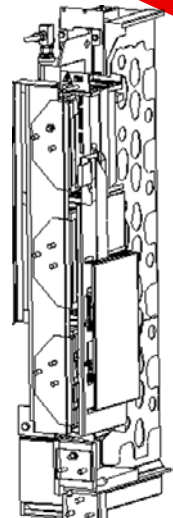
- Latest Technology IGBT
- Compatible with all current equipment installed in cabinet, no need to change
- Similar physical dimensions as older Inverter, no cabinet modification
- CE Marked, Certified to UL508C
- Made in the USA



MVDL643



MVDL800



MVDL1000





WHY UPGRADE

By replacing the inverter modules with **MVDL800** or **MVDL1000** the rest of the cabinet equipment can remain as is thus removing the need to replace the whole drive system. The **MVDL800** and **MVDL1000** modules from Avid Controls are the close to the same physical size as the DELTAs being replaced with the same electrical and plumbing connections.

ELECTRICAL COMPARISON

The **MVDL800** provides over 25% more current than the MVDL643, while the **MVDL1000** provides over 55% more current; the actual ratings are given in Table 1.

Table 1			
Conditions	MVDL643	MVDL800	MVDL1000
Continuous AC RMS. current allowing for a 1.5 x overload	471 A	587 A	733 A
Continuous AC RMS current allowing for a 1.1 x overload	643 A	800 A	1000 A

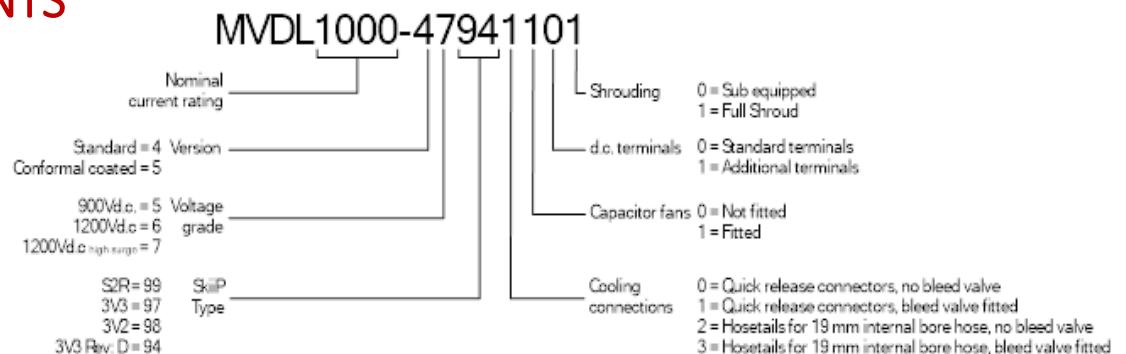
QUALITY ASSURED

The **MVDL800** and **MVDL1000** modules from Avid are built to the same exacting standards to your original equipment and carry the same approvals. Modules are CE marked and certified to UL508C. Avid Controls manufactures the MV3000 Product Line under exclusive license from GEPC since 2017.

MINIMUM DOWNTIME

The upgrade can be done quickly, usually in one day, compared to a much longer time to change the whole inverter suite. Each original DELTA is replaced with **MVDL800** or **MVDL1000** (old and new can not be mixed) and the original program in the drive controller (CDC) can be employed with minimum adjustments. Once again, the original rectifiers and cabinet hardware can be retained. Furthermore, plant maintenance staff will require minimum re-training as the **MVDL800** and **MVDL1000** modules are identical in operation to the ones being replaced.

MODELS AND VARIANTS



SPARE PARTS

Avid can also offer spare parts for your MV3000 drive system including new rectifiers, CDC controllers, SMPS, I/O and comms modules.

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