

Marpower Grid Converter



How do you regulate the various energy flows? The Marpower Grid Converter offers a stable onboard voltage and helps saving fuel. The system is flexible, compact and maintenance friendly. Marpower configures, builds and delivers on customer specifications, tailored to the application.

In combination with a shaft generator, the Gridconverter ensures the correct voltage and frequency in all situations. The Gridconverter can be used as PTO (Power Take Off) or as PTI (Power Take In).

The MarPower Grid converter can be used as a separation between the high and low power distribution on board. Using the converter as a separation between a 'dirty' network and a 'clean' network, it can help reducing costs by choosing cheaper frequency converter types.

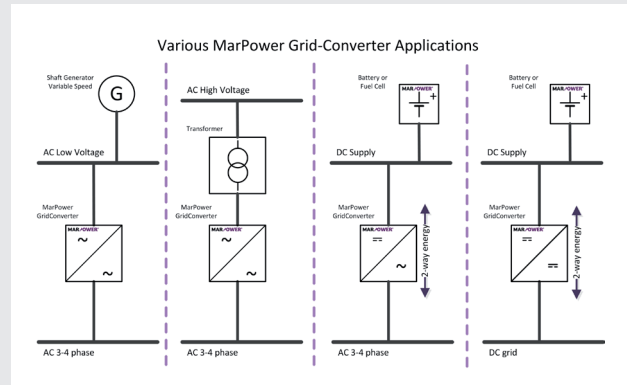
The Gridconverter can also be used as a link between a DC system and an AC (or DC) distribution and ensures optimal use of energy storage systems.



Advantages of the Marpower Grid Converter

- ✓ Energy saving
- ✓ Stable power source
- ✓ Water- and/or air cooled
- ✓ Variable input and output
- ✓ Suitable for energy storage systems
- ✓ Ideal for retrofit
- ✓ Worldwide support

Drive systems can be used for various applications such as industry, offshore, shipbuilding and special applications. For detailed information we refer you to our *Project Leaflets*, also available on our website www.marpower.com.



INPUT

Input line voltages	170-690 Vac / 230 - 1000 Vdc
Input line frequency	30 Hz - 70 Hz or DC
Line current	Depending on type

OUTPUT

output voltage	400 - 690 Vac (3/4 phase)
frequency accuracy	50 / 60 Hz
efficiency	> 98%
power range	3,0 - 2000 kW (Air cooled) 7,5 - 5300 kW (Liquid cooled)
overloadability	depending on type

GENERAL

Ambient temp	40 - 52,5 °C (outdoor application optional)
Protection degree	IP22 (Up till IP55 on request)
Interference protection	IEC 61800-3 (EN55011 Optional)
Interface	Profibus / Modbus -RTU Modbus - TCP