

CLEAN POWER VARIABLE FREQUENCY DRIVE

High Frequency Drive Output

- Maintain high efficiency
- No derating
- No thermal issues

Embedded Active Front End (AFE)

- Ultra low harmonics
- Regenerative capability
- Power factor near unity

Pure sine wave 3-phase output

- Fully-integrated filters
- Extended motor lifetime
- Increased motor efficiency
- Set, monitor and control App

Not All Drives Are Created Equal

The Clean Power VFD is a unique compact drive that controls AC motors with a real and pure sine wave, without the need for any filters or mitigation.

Clean Power allows you to drive at high speeds!



High-Frequency ...up to 1000Hz

With a switching frequency higher than 100kHz, a patented and innovative algorithm, as well as embedded, specially designed filters, the output of the Clean Power VFD delivers its sinus wave at frequencies up to 1000Hz.





The Clean Power VFD is an ideal companion for Turbo Machinery!

Keep cool, it's a SiC VFD!

Power components are Silicon Carbide (SiC) Mosfet. SiC Mosfets provide better thermal performance in comparison to the IGBT transistors used in ordinary VFDs. There is no derating to apply to the current capability of the VFD, even at high frequency, nor the need of special cooling mechanisms such as water cooled heat-sinks.

Efficiency

Thanks to the Clean Power output, there are no harmonics that would normally cause additional losses in the motor. Also, the thermal perfomance of the Clean Power VFD with its SiC transistors, eliminates the losses that are traditionnally consumed by the water pump of the cooling circuit systems and output filters.

Compact installation

The Clean Power VFD does not need any external, bulky filters to deliver its speed performance directly to gearless motors.

The icing on the cake

With its embedded Active Front End (AFE), the harmonics are lower than the recommended IEEE519 level, without adding any input filters.

The ideal VFD for high speed applications

It's set-it-and-forget-it, high-speed performance makes the Clean Power VFD the ideal drive for turbo-machinery such as turbo compressors and turbo blowers, as well as for spindle machines such as drilling, milling and grinding.

PREVENT DOWNTIME

Keep operations running smoothly and extend motor lifespan with Clean Power VFD output.



INCREASE **EFFICIENCY**

Decrease losses at every level of the power drive system. The future is filter-less. Save in preventive maintenance and equipment costs.

Connect with us to learn more!

