

SMART



CLEAN POWER

VARIABLE FREQUENCY DRIVE

The Most Friendly Variable Frequency Drive for Power Grids.



The SmartD Clean Power VFD outputs a clean sine wave and embeds an Active Front End

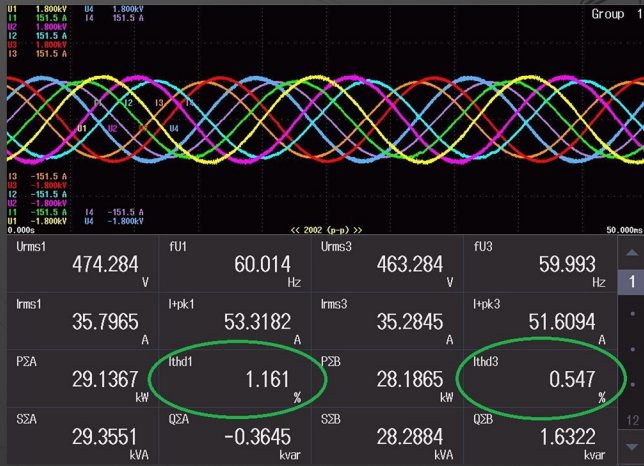
Low Harmonics

With a total distortion of 3% and a power factor near unity, AFE-enabled SmartD Clean Power VFDs do not disturb other equipment or systems and far exceed IEEE519 recommendations.

Filterless to save more energy

the clean sine wave output and the active front end make usual filters useless. SmartD Clean Power VFDs does not need additional devices that are sources of lost energy.

Picture of the Clean Power is worth a thousand words



Harmonics

Clean Power VFD is engineered to minimize the impact of harmonics, a frequent issue in power grids that can cause equipment failure and service disruptions.

Our technology regulates the flow of electricity, reducing harmonic distortion lower than 2 %

Power Factor

Clean Power VFD features a power factor close to unity, there's no need increasing the size of your power supply system., and no risk to get expensive fines .

Energy Efficiency

Clean Power VFD is highly energy efficient, which can help lower your electricity bills and reduce your carbon footprint. Our technology also minimizes the amount of energy lost in your power drive system as you can get rid of , the energy-consuming filters.

Moreover, when the driven motor is decelerating, the energy is regenerated to the grid instead of vanishing in a braking resistor.

Learn more with our published white papers

Solve Harmonics Problems at the source



Unlock System Efficiency



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© SmartD Technologies Inc.

sales@smartd.tech

1-866-7-SMART-D