

EFYN

Every Frequency You Need

EFYN Frequency Converters / Every Frequency You Need

EFYN are frequency converters capable of handling conversion between different grid standards.

This allows powering equipment, accessories, and small appliances for guests and crew without the need for external adapters. Thanks to the integrated Active Front End (AFE) technology, EFYN not only convert frequency but also improve the power quality drawn from the yacht's main bus, ensuring

PURE SINE WAVE OUTPUT:

Provides clean and stable energy, protecting sensitive electronic devices.

GALVANIC ISOLATION:

The output is fully isolated to protect equipment from interference and potential ground faults.

INTERFERENCE REDUCTION:

AFE minimizes power disturbances and harmonics, ensuring interference-free operation.

— The freedom to connect anywhere —



Key Advantages and Features

EFYN combine high performance and reliability, offering a complete solution for onboard frequency management:

RELIABILITY AND PERFORMANCE:

Designed to provide stable power supply even in the presence of voltage or frequency disturbances.

OPERATIONAL EFFICIENCY:

High AFE efficiency helps reduce operating costs.

SAFETY:

RFI protection, galvanic isolation, and low earth leakage safeguard sensitive equipment and users.

ROBUSTNESS:

High overload capacity and robust air cooling in an IP43-rated cabinet allow continuous and reliable operation up to 45°C.

INTUITIVE CONTROL:

Digital touchscreen displays enable immediate system monitoring and management.

QUIET OPERATION:

Optimized design ensures silent performance, enhancing onboard comfort



OUTPUT

Type: Single or 3 phase, neutral, isolated output

Voltage: 208 – 480 VAC (specified in order)

Frequency: 50 to 60 Hz (and vice versa)

Voltage distortion: <2.0% (linear load)

Overload: 10 minutes 125%/30 seconds 150%

INPUT

Type: 3 phase active rectification

Voltage: 180 to 520 VAC

Frequency: 47 to 64 Hz

Displacement power factor: Unity

TECHNICAL FEATURES

Protection: thermal, overload, short circuit

Operating temperature: 0 to 45°C

Humidity: <95% non condensing

Efficiency of system: >92% typical (at full power)

Cooling: <75dBA @2m

Enclosure: IP43

Standard colour: Powder-coated RAL 9010 (other DPT)

Interface: Graphic display (DPT)

Digital I/O for control and monitoring