

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.

18 KW EFYN MODEL

Dimensions: 1200 x 400 x 400 mm (H x W x D)

Input: 400 Vac 50 Hz (3F)

Output: 120 Vac 60 Hz (3F+N)

Power: 18kVA

Three-phase copper-wound transformer:

I1 38A @270 V, I2 87A @120 V

TECHNICAL SHEET

Power: From 12Kv

Input: Frequency: 50 or 60 Hz

Output Frequency: 50 or 60 Hz

Input Voltage: 120-480 Vac, 3-phase, 50/60 Hz

Output Voltage: 120-480 Vac, 3-phase, 50/60 Hz

Cooling: Forced

Out Isolation Trasformer: Yes


Connection: Terminal Block

Display and Alarm: Led or LCD

(other options available on request)





www.bdfdigital.com
info@bdfdigital.it
in 

VICENZA HEADQUARTER

Via dell'Oreficeria, 41
36100 Vicenza (VI), Italy
Tel. +39 0444 343555