

# 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



### **INPUT**

**Type:** 3 phase active rectification

**Voltage:** 120 Vac/60 Hz - 230 Vac/50 Hz

**Current:** 400 Vac/50 Hz

**Displacement power factor:** Unity

### **OUTPUT**

**Type:** Single or 3 phase, neutral, isolated output

**Voltage:** 230 Vac/50 Hz - 120 Vac/60 Hz

**Current:** 400 Vac/50 Hz

**Frequency:** 50 to 60 Hz (and vice versa)

**Overload Max:** 150% x 30 sec.

### **TECHNICAL FEATURES**

**Dimensions:** 950 x 400 x 550 mm (H x W x D)

**Protection:** Thermal, overload, and short-circuit

**Temperature:** 0–45°C

**Humidity:** 0–95%

**Efficiency:** >92% typical (at full load)

**Acoustic noise:** <75 dBA @ 2 m

**Cooling:** air cooled

**Control & monitoring:** Digital I/O

**Colour:** Pure white RAL 9010

**(other options available on request)**



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