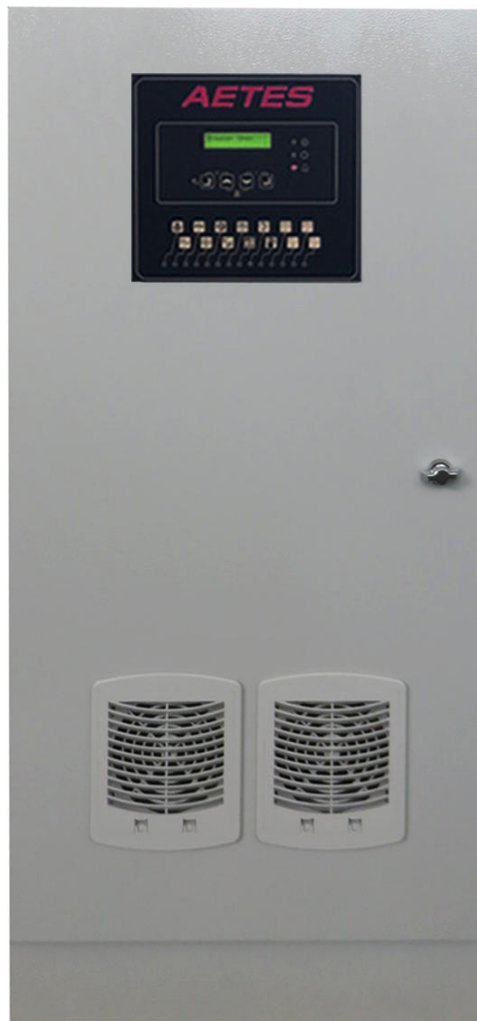


# ***AETES***

## **AC CONVERTER UNIT**

*Internal Isolation Transformer  
Industrial-Grade Enclosure  
Advanced User Panel*



*"...power alliance..."*

## DESCRIPTION

AETES AC to AC Converter is a high technology equipment, including all protection and control systems, which is designed and manufactured to convert an AC voltage to another pure sinus and regulated AC voltage with a predefined frequency. It provides AC power, which is especially important for Industrial, Telecom and Defence applications.

This equipment contains an input isolation transformer, it provides full electrical isolation between AC input supply and AC output, and uses all advantages of Digital Signal Processor control.

It provides advanced user interface and advanced communication features.

## FEATURES

- LCD display, showing measurements, status and alarm message
- Additional Led displays for easy observation of frequency converter status
- Low Output Voltage Harmonics
- Advanced Communication Options
- Wide Input Voltage and Frequency Range
- Excellent Short Circuit Protection
- Overload and over Temperature Protections
- Precise Output Frequency Regulation
- High Efficiency

# GENERAL SPECIFICATION

Model	230-115-3500W	230-115-7000W	230-115-10500W	230-115-14000W
Power Rating	5000VA / 3500W	10000VA / 7000W	15000VA / 10500W	20000VA / 14000W
Enclosure	Tower			
Input Voltage Range ( 70% load )	187 ... 253 V			
Input Frequency Range	45 - 55 Hz			
Output Voltage Wave Form	Pure Sinus			
Total Harmonic Distortion	max. %1			
Output Voltage	100V/110V/115V/ 120V/ 127V AC ( Order Options )			
Output Frequency	60 Hz			
Overload Tolerance	%125 load 10 second			
Efficiency	min. %88			
Enclosure Size ( mm )	A:500 B:440 C:980	A:620 B:620 C:1300	A:620 B:620 C:1300	A:620 B:620 C:1300
Shipping Weight app.	112 kg	181 kg	232 kg	275kg
Warranty	2 years limited			

## Communications

Modbus, RS232, RS485 Communications	Optional
Analog Gauges	Optional
Plug in Relay Card	Optional
MQTT	Optional

## Operating characteristics

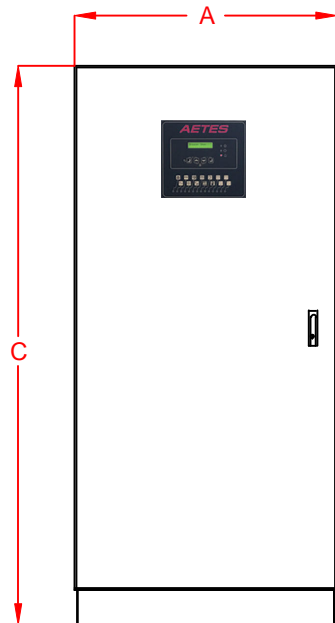
Operating temperature	: -5 to 50°C
Relative humidity	: %90 non-condensing
Operation Altitude	: Max. 2000 m.

## General design criteria

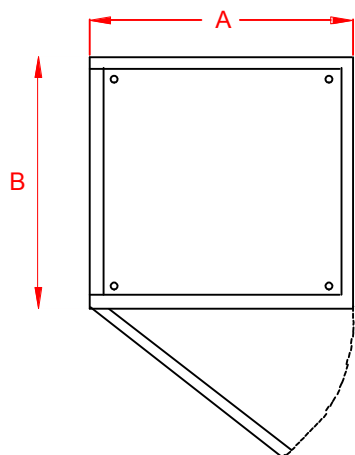
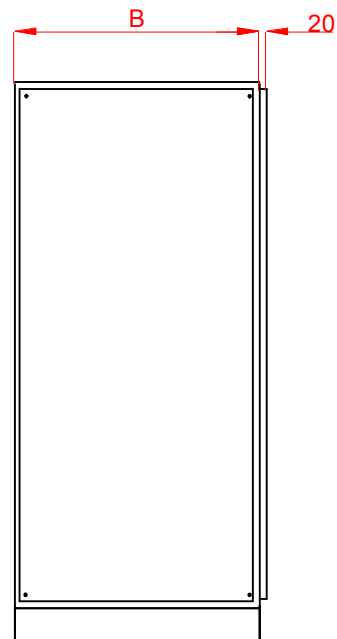
Safety	: EN 62040-1; IEC 60950
EMC	: EN 62040-2

# DRAWING

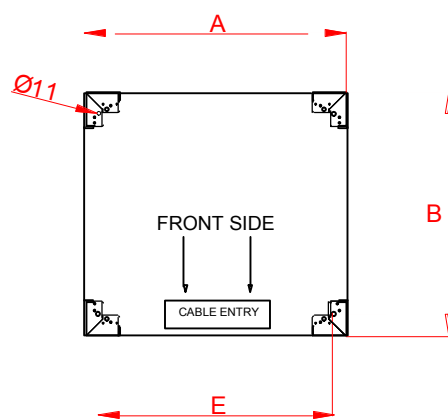
FRONT



LEFT

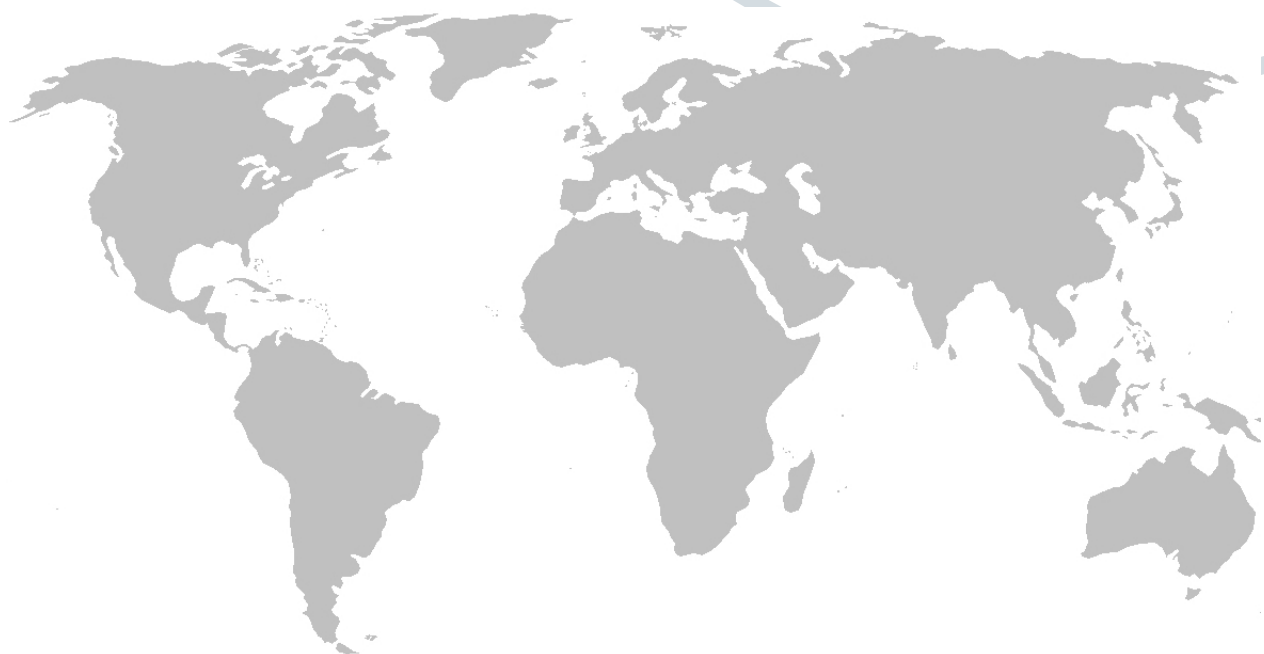


TOP



BOTTOM

"...power alliance..."



**AETES**  
"...power alliance..."

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