



## EPS - Datasheet

### Series EPS/FTP/T

EPS's microprocessor controlled AC/AC Frequency Converters »EPS/FTP/T« series provide a 3-phase sine wave output from a 1- or 3 phase input. There are output power of 750 VA to 9000 VA available. The 50, 60 or 400 Hz output frequency and output voltage 200/115V and 400/230V AC are factory-set. The floating outputs are isolated from each other and can be operated as "Y" configuration or three individual outputs. In "Y" configuration, the centre (neutral) have to be grounded. The units can be shut-down electronically by a control switch on the front-panel of the unit. A remote shut-down option is also available.

Other options are Power Fail Alarm, ruggedizing against shock and vibrations, extended temperature range (-40°C until +70°C) and a 19" cabinet.

The series is characterized with full electronic protection and low input and output noise. For example, the converter has an output overload protection (OLP) and a current limiting with short circuit protection. Including is conformal coating of the units, too.

Common application fields for the 19"-devices and/or chassis mounting, are simulations of the electrical system to the testing according to customer conditions, power adjustments to the supply of industrial plants as well as 400Hz fixed frequency converters for the avionics stationary as well as mobile. As standard, the converters are supplied with screw terminal block input/output.

The devices are CE, UL as well as CSA certified.

Energy efficiency: high efficiency, high MTBF

Scope of delivery:  
AC/AC Converter  
Operation manual on request

## EPS/FTT 1500-UA AC/AC Frequency Converter

---



EPS/FTP 1000 19rack mount

### General data

|                            |  |
|----------------------------|--|
| Technology                 | Switching                                  |
| Operation modes            | CV   |
| Mains                      | 400 VAC, 3ph                               |
| Input frequency            | 47-410Hz                                   |
| Power factor               | 0.98                                       |
| Input Current Limitation   | Standard                                   |
| Voltage Stability Load     | +/-6% (0-100%)                             |
| Voltage Stability Mains    | +/-6% (0-100%)                             |
| Overheat protection        | Standard                                   |
| Isolation In-/Output       | 4300V DC                                   |
| Isolation Output/Enclosure | 500V DC                                    |
| Cooling                    | Fan  |
| Operation temperature      | 0-50°C                                     |
| Humidity                   | 5-95% n.c.                                 |
| Design                     | Built-in                                   |
| Standards                  | EN62368-1, EN55022 C.A, EN61000-3-2, UL458 |
| ruggedized                 | Option EPS/F..RG                           |

### Interfaces

### Technical data

|                |                   |
|----------------|-------------------|
| Output Voltage | 208/120 VAC 3ph+N |
| Output Current | 4,35A             |

Series EPS/FTP/T

**Technical data**

|                          |                      |
|--------------------------|----------------------|
| Output Power             | 1500 VA              |
| Crest factor             | 2 (90%)              |
| Distortion               | <5% (100%)           |
| Output Frequency         | 60Hz                 |
| Frequency Accuracy       | stab.<0,2%           |
| Efficiency               | 85%                  |
| Ripple U                 | <500mVrms (BWL20MHz) |
| Dimensions in mm (WxHxD) | 432 x 132 x 407      |
| Weight                   | 14 kg                |
| Order code               | 400240               |

|          |                                      |
|----------|--------------------------------------|
| Option 2 | Expanded temperature range EPS/F..CT |
| Option 3 | Floating Output EPS/F..FO            |
| Option 4 | Remote Shut Down EPS/F..RS           |
| Option 5 | 19" Rack-mount EPS/F..19 inch        |
| Option 6 | Output fail alarm EPS/F..OF          |



EPS/FTP/T 6000-19rack mount



EPS/FTP/T 1500/3000 Chassis