



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 3000-UM-19 AC/AC Frequency Converter



EPS/FTP/T 1500/3000 19"

General data

Technology	Switching
Operation modes	CV
Mains	400/230 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	2250V DC
Cooling	Fan
Operation temperature	0-50°C
Humidity	5-95% n.c.
Design	19 inch
Standards	EN62368-1, EN55022 C.A, EN61000-3-2, UL458
ruggedized	Option EPS/F..RG

Interfaces

Technical data

Output Voltage	200/115 VAC 3ph+N
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Series EPS/FTP/T

Technical data

Output Current	8,7A
Output Power	3000 VA
Input Current	6Arms max.
Crest factor	2 (90%)
Distortion	<5% (100%)
Output Frequency	400Hz
Frequency Accuracy	stab.<0,2%
Efficiency	85%
Ripple U	<500mVrms (BWL20MHz)
Dimensions in mm (WxHxD)	432 x 133 x 432
Weight	12 kg
Order code	400244

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	Chassis mounting
Option 6	Output fail alarm EPS/F..OF



EPS/FTP/T 6000-19rack mount



EPS/FTP/T 1500/3000 Chassis