

## EPS - Datasheet

### Series EPS/CTP

EPS's microprocessor controlled Inverters »EPS/CPT« series provide pure sine wave output voltage. The AC output voltage is available with 115/230V, 1-phase or 208/380/400VAC, 3-phase to power equipment such as i.e. machines with a output power of up to 10000VA and with a output frequency of 50, 60 or 400Hz. The output neutral is connected to the chassis internally. The DC input voltage is provided with 24V, 48V, 72V, 110V or 250V DC.

The DC/AC units have a total efficiency of about 80% and are equipped with a overload (OLP) and overheat protection (OTP) as well a current limiting with short circuit protection. The units are reverse polarity protected, too. The components are also provided conformal coating for standard.

Our inverters power electronic equipment in industrial automation as well as robotic, railway, marine, mining, utility and telecom.

As an option are ruggedizing against shock and vibrations (RG), 19" rack mounting, enable input (EI) as well as extended temperature range (CT -40°C until +70°C).

The units feature full electronic protection and low input and output noise. As standard, the inverters are supplied with a screw terminal block input/output.

The devices are CE certified and built in accordance with UL and CSA.

Energy Efficiency: Latest MOS technology, high MTBF

Scope of delivery:  
Inverter

## EPS/CTP 1000-48-400 Sine Wave Inverter

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EPS/CPT 6KVA Chassis

### General data

Technology	Switching
Input Current Limitation	Standard
Voltage Stability Load	+3% (50-100%)
Voltage Stability Mains	+3% (50-100%)
Overheat protection	Standard
Isolation In-/Output	2250V DC
Isolation Output/Enclosure	1000V DC
Cooling	Fan
Operation temperature	0-50°C
Humidity	5-95% n.c.
Design	Built-in
Standards	EN62368-1, EN 55032 Class A, IEC 61373 Cat 1 A&B

### Interfaces

### Technical data

Output Voltage	3x 400V AC (L-L)
Output Current	1,45
Output Power	1000 VA
Input Voltage	48 VDC (36-60V)
Crest factor	2,5 (90%)
Distortion	<5% (100%)

**Technical data**

Output Frequency	50Hz
Efficiency	85%
Ripple U	<500mVrms (BWL20MHz)
Dimensions in mm (WxHxD)	280 x 66 x 361
Weight	11 kg
Order code	600137

Option 2	Expanded temperature range EPS/F..CT
Option 3	Ruggedized EPS/F..RG
Option 4	Control Input EPS/F..EI
Option 5	19" design
Option 6	Different Input Voltage



EPS/CPT 1K5+3K 19rack

3 x 400VAC (L-L) OUTPUT				+	24VDC INPUT	-
PH1	PH2	PH3	N			
~	~	~	~			
1	2	3	4			

Terminal EPS\_CTP 24