



## EPS - Datasheet

### Series EPS/CSI

EPS's microprocessor controlled Inverters »EPS/CSI« series provides pure sine wave output voltage. The AC output voltage is available with 230V / 50Hz to power up different supplies such as i.e. smaller machines. The output neutral is connected to the chassis internally. The input voltage is provided with 24V, 36V, 48V, 110V, 125V oder 250V DC. Voltage up to 700V DC are optionally possible. The Inverters have a total efficiency of > 80% and are equipped with a overload (OLP) and overheat protection (OTP) as well a inrush current limiting with short circuit protection. The units are reverse polarity protected, too. The components are also provided conformal coating for standard.

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 converters are supplied with screw terminal block input/output.

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

Energy Efficiency: Latest MOS technology, high MTBF

Scope of delivery:  
Inverter

## EPS/CSI 3000-48-230 Sine Wave Inverter

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EPS/CSI 1500-2000 Chassis

### General data

Technology	Switching
Input Current Limitation	Standard
Voltage Stability Load	+6% (0-100%)
Voltage Stability Mains	+6% (0-100%)
Overheat protection	Standard
Isolation In-/Output	2250V DC
Cooling	Fan
Operation temperature	0-50°C
Humidity	5-95% n.c.
Design	Built-in
Standards	EN62368-1, EN55022, UL458, C22.2 No.107.1-01

### Interfaces

### Technical data

Output Voltage	230 VAC
Output Current	14A
Output Power	3000 VA
Input Voltage	48 VDC (42-56V)
Input Current	86A max.
Crest factor	2 (90%)
Distortion	<5% (100%)

**Technical data**

Output Frequency	50Hz
Efficiency	85%
Ripple U	<500mVrms (BWL20MHz)
Dimensions in mm (WxHxD)	432x132x407
Weight	12 kg
Order code	600020

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	Other Input Voltage



EPS/CSI 1000 Chassis



EPS/CSI 4K 19rack