



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 750-250-230 Sine Wave Inverter



EPS/CSI 750 (F6W)

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 | 4300V DC |
| Isolation Output/Enclosure | 1500V 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 | 3,0A |
| Output Power | 750 VA |
| Input Voltage | 250 VDC |
| Input Current | 4,5A max. |
| Crest factor | 2 (90%) |
| Distortion | <5% (100%) |

Technical data

| | |
|--------------------------|----------------------|
| Output Frequency | 50Hz |
| Efficiency | 85% |
| Ripple U | <500mVrms (BWL20MHz) |
| Dimensions in mm (WxHxD) | 254x65x349 mm |
| Weight | 4 kg |
| Order code | 600008 |

| | |
|----------|--------------------------------------|
| 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