

GB Electronics (UK) Ltd

LF1-400-GBE Frequency Converter - datasheet



115/200V 400Hz Single Phase output, at up to 1kVA

A transformer ensures full isolation between the output voltage and the incoming supply and the output neutral may be earthed externally if required. The unit is fully protected against over current and over temperature conditions. Input power and output cable supplied. This unit is normally supplied as a free standing bench top unit; but the LF1-400-GBE can also be built in a rack mount configuration if required at no extra cost. A support shelf or bracket would be required when the rack mounting option is specified: these are not supplied with the unit, as their dimensions will depend on the arrangement of the cabinet or rack.

Input Requirement

230V single phase, +10% / - 6%, 45 – 66Hz with automatic selection of input voltage.

Output Capability

115V +/-3%, 400Hz +/- 1Hz, at up to 1kVA (8.7A max)
Over current trip at >1200VA
Short circuit and over temperature protection
Load Power Factor 0.5 lag to 0.5 lead at full load
With linear load, line regulation +/- 1%, load regulation +/- 1%
THD better than 5% and full load efficiency >80%

Controls, Indications & Connections

Input On/Off and indicator, Output On/Off Switch
Output voltage and output current analogue meters
Over current and over temperature indicators
IEC inlet connector, twist lock output connector
Input and output cable supplied

Operating Environment

0 to +40 degrees
90% non condensing

Size & Weight

440 wide x 370 deep x 89 high (2u in 19 Inch rack) <10kg

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