

600W LLC CONVERTER FOR SERVER PSU

This DC-DC LLC converter evaluation board applies the latest power semiconductors from Infineon Technologies, synchronous rectification topology and modern control methods to achieve maximum efficiency in a server power supply application.



- ▶ Analog or digital control
- ▶ Precise output regulation
- ▶ High robustness



Ready for 80 PLUS Titanium

Main features

- ▶ Very high efficiency LLC topology, meeting 80 PLUS Titanium requirements
- ▶ Interchangeable analog or digital control boards
- ▶ Digital control with extended functions, e.g. adaptive primary dead time
- ▶ Precise output regulation and high robustness

Technical Data

Input voltage range	350...410 VDC
Output voltage	12 VDC
Output voltage ripple	Max. 50 mVpp
Transient response	+135mV/-160mV
Nominal output power	600 W
Maximum output current	50 A
Maximum efficiency	97,7%@ 300 W
Dimensions	198x61x40 mm