



LLSE CONTAINERS

# Auxiliary battery inverter generator





## Overview

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What is an auxiliary inverter used for?

For instance, EPS (electrical power steering) for which an auxiliary inverter can be used to control the electric motor required. Other common uses: climate compressor, electric charger (eTurbo) and active chassis control. For these applications and more, discover Infineon's broad range of dedicated auxiliary inverter solutions.

Can I connect a 2000W inverter to a 12V auxiliary battery?

I have a 2000W inverter (constant output; peak up to 4000W) that I'd like to hook onto a 12V auxiliary car battery. The supplied cable with the inverter is roughly 0.5m long and 10 AWG / 600V / 105°C / 16mm<sup>2</sup> - this cable should be suitable for connecting the inverter to the battery.

Are Infineon inverters good for EV auxiliary drives?

Efficient and high-performance inverters for electric vehicle (EV) auxiliary drives Infineon offers highly efficient and flexible inverter solutions for auxiliary systems in electric vehicles (EV).

What are Xev auxiliary systems?

xEV auxiliary systems replace traditional mechanical solutions and improve system efficiency by changing from an engine belt-driven solution to an electric drive solution. Battery electric vehicles (BEVs) do not have a combustion engine, requiring the auxiliary systems to be converted to an electric drive alternative.



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