



ECPE Working Group AQQ 324

'Automotive Power Module Qualification Guideline'



'Qualification of Power Modules for Use in Power Electronics Converter Units (PCUs) in Motor Vehicles'

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**ECPE Guideline
AQQ 324**

- Environmental and lifetime testing of PMs
- ECPE Working Group started mid of 2017
- based on the former German LV324 ('Qualification of Power Electronics Modules for Use in Motor Vehicle Components - General Requirements, Test Conditions and Tests')
- WG with 33 industrial members including OEMs, tier 1 suppliers, power semicond. and module manufact., test equipment supplier, ...
- future releases will include SiC & GaN as well as novel packaging solutions



AQG 324



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Converter Units (PCUs) in Motor Vehicles

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The ECPE Guideline AQG 324 "Qualification of Power Modules for Use in Power Electronics Converter Units (PCUs) in Motor Vehicles" has been released by the responsible ECPE Working Group "Automotive Power Module Qualification" comprising more than 30 ECPE member companies from the automotive market. This guideline is based on the supply specification LV 324 which has been developed a few years ago by German automotive OEMs together with

representatives from the power electronics supplier industry in a joint working group of ECPE and the German ZVEI association. The qualification guideline defines a common procedure for characterizing module testing as well as for environmental and lifetime testing of power electronic modules for automotive application.

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