



*ALBA 2026 Mainz :
SOF - SOF sizing & monitoring, SO16
The tool well known as : PPC Sizing Tool
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THE TOOL WELL KNOWN AS PPC SIZING TOOL

WHY TO USE THE PPC TOOL ?



Gives a **repeatable and reliable assessment for battery performance** under pulse load conditions

Allows for Temperature, SOC and load variation

Displays sensitivity charts for Battery sizing selection



Allows comparison of various battery types and sizes for optimizing performance vs. weight and packaging volume



Use collected battery characterisation knowledge from Battery industry leading collaboration under lead of Batterieingenieure Aachen



Includes potential low temperature abnormalities like Icing

Temperature in °C
-40...40

-40...40

State of Charge in %C_n
30...100

30...100

Maximum current in A
50...1000

50...1000

I_{cc} rating in A
100...1000

100...1000

Cumulated peak duration
2 ... 5 s

Ageing status

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WHO ARE POTENTIAL USERS? WHAT QUESTIONS?

▪ Potential users:

- OEM Low Voltage Battery Specialists
- OEM Low Voltage System Specialists
- Battery Supplier Application Engineers
- Battery Supplier System Engineers
- and others

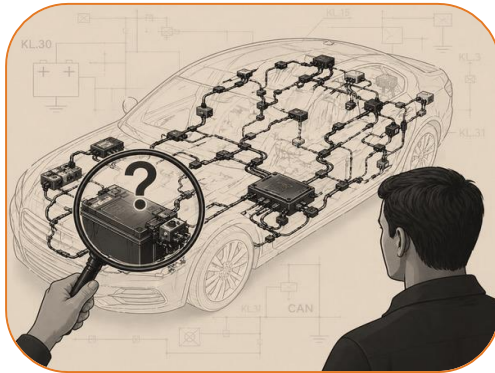


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▪ Potential Questions to be answered:

- Does my selected battery fit the application?
- Does the Load match the SOC and temperature range?
- Will the load be covered even at the end of life?
- What adjustments in allowed load, SOC and temperature range will make a packaging restriction of the battery work?