

Battery Pack New Members Start Here

The following is a collection of links covering many key responsibilities of a battery pack team member. While this list is far from complete, it serves as a solid starting point for new members and a resource to deepen the knowledge of current team members. If you come across a helpful resource that isn't listed here, reach out to the battery pack lead to have it added. The goal is to make this a living reference that grows with the team.

Batteries & Module Design:

Cell Selection:

https://youtu.be/YCh88Ryad_Q?si=Yw_wG6LsN5r4Ornj

Series and parallel:

<https://youtu.be/L-UfAeyTI9g?si=yir0FnnBiHhU1srt>

<https://youtu.be/q46Ev9KVNLI?si=YsqTRm5le1euUbf8>

Voltage Taps:

<https://youtu.be/fyjDGSPHmYI?si=5Kp8fsCbrSVWaXMv>

Thermistors:

<https://youtu.be/SaQBD0NMT04?si=l00LCxrSBgjsRT3N>

C Rating:

<https://youtu.be/cxkVxi9P0EA?si=YKWbFfsxErOex3jR>

Other Electrical Components:

Contactors:

https://youtu.be/tMlg24cHqwE?si=GoEc4lXgQr_8lMpy

Fuse:

https://youtu.be/ot-_PJEja7c?si=KV7p-s2u39l-slpb

BMS:

<https://youtu.be/GXYJ1xC10j4?si=qpv4zLVIUbQx35To>

SOC/SOH:

https://youtu.be/rOwcxFErcvQ?si=OZIE5tshIGgikb_1

https://youtu.be/imjbyeS1cal?si=EPW2c0dFBSrEwk_O

Pack Cooling:

<https://www.dober.com/electric-vehicle-cooling-systems>

Box Construction:

<https://youtu.be/tiS8ArzEA58?si=LryluSmVO1Bgp0T1>

https://youtu.be/3Pc-Sd_J26E?si=4FIgSPMbBmwdX29j

Battery University:

This is one of the most comprehensive websites there is about batteries.

<https://batteryuniversity.com/articles>

Good Overall EV videos:

<https://youtu.be/hBbhevHZZ5E?si=Yja3qvNngAX7KERJ>

<https://youtu.be/2aDyjj5wj64?si=grT37s0xccLxDWOC>

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