

Extended battery pack passport by Covestro



Manufacturer _____

Manufacturing Site _____

Battery Model _____

Year of assembly 2022
 Battery Type Cylindric, Prismatic or Pouch Lithium-Ion Battery Cell
 Durability 8–10 years
 Capacity 90 kWh–120 kWh
 Amount of cells 7202
 Amount of modules 14
 Disassembly Dissassembly guide: instructions, removal, replacement

Security measures

Relevant certificates All polycarbonate based parts from RE series from Covestro and are ISCC PLUS certified.

Active materials To be determined by battery manufacturer

Passive materials ISCC PLUS certified housing (including battery top cover, module cover, busbar carrier, end plates and cable through) with bio-circular attributed sustainable share via mass balancing of more than 50%. Leading to GHG savings around 70% compared to primary fossil based alternative on material input level for polycarbonates (on cradle to gate approach).

Remarks

Article	Weight	Key components			Recycling
		Polymer matrix	Filler	Flame retardant	
Battery top cover	9,5 kg	Makrolon® 6165 X RE	30 % glass fiber added during processing	Halogen free acc. IEC 61249-2-21	Mechanical recycling possible
Module covers	3,5 kg	Bayblend® FR3010 RE		Halogen free acc. IEC 61249-2-21	Mechanical recycling possible
Busbar carriers	2,8 kg	Bayblend® FR3010 RE		Halogen free acc. IEC 61249-2-21	Mechanical recycling possible
End plates	2,8 kg	Makrolon® FR6005 RE		Halogen free acc. IEC 61249-2-21	Mechanical recycling possible
Cell holders: cylindric, prismatic, pouch cells	5,6 kg	Bayblend® FR3042 RE		Halogen free acc. IEC 61249-2-21	Mechanical recycling possible
Cable trough	0,2 kg	Makrolon® 6555 RE		Halogen free acc. IEC 61249-2-21	Mechanical recycling possible

* This is an example, for more details contact Covestro representatives.