Argon R12 project update

R07 atlas · R11 CAD and specifications · R12 road study

V1 and V2 reach 600 km in the modeled 90 km/h road case. The existing battery envelope is 94 L. Battery fit, the load case with the new pack and road validation remain open.

Parameter	V1	V2
NMC battery, gross	135 kWh	120 kWh
Battery, usable	118.8 kWh	105.6 kWh
Modeled charged mass	4,512.2 kg	3,448.2 kg
Range at 90 km/h	601.0 km	617.8 km
Consumption at 90 km/h	19.77 kWh/100 km	17.09 kWh/100 km
Adverse-case range	419.7 km	425.6 km
Electric 0–100 km/h	17.050 s	10.967 s
0–100 km/h with rear gas assist	15.360 s	9.479 s
Battery envelope required	346.2 L	307.7 L
Volume shortfall vs 94 L reserve	252.1 L	213.7 L

Level road, full gas mass and assumed efficiency measures. The entire candidate pack is added because replaced hardware mass is open. The adverse case includes headwind, higher auxiliary load and reduced usable energy.

The register contains CAD, requirements, specifications, flight and range calculations, verification, expert material and archived releases. Chat history and original attachments are listed separately. Currency applies within each source test or calculation.

Verify removed hardware mass, usable energy and the battery load map. Measure road consumption and coastdown. Check cassettes, frame, vacuum circuit and access to GasR2 with A GUIv4 retained. Rerun the flight cases at the new mass.

25.11.2026 · TextToCAD