Battery Specs and Equations

Battery Specifications:

Individual Cell Specifications

396 total cells

198 cells connected in series and the 2 sets connect in parallel

Max Voltage = 4.2V

Min Voltage = 3.0 V

Nominal Voltage = 3.7V

Amperage = 64.5 Ah

Gross Energy Capacity: 93.4 (kWh)

Net Energy Capacity: 83.7 (kWh)

Coulometric Capacity: ? (Ah)

Max Charging Power: 270 (kW)

Battery Weight: 630 (kg)

Energy Density: (Wh/kg)

Power Density: (W/kg)

Energy Efficiency:

Max (SOC):

Min (SOC)

Max (DOD):

Min (DOD)

Cycle Life:

Charge/Discharge Rate:

Internal Voltage:

Internal Resistance:

Kb1:

Kb2:

Battery:

contains 33 cell modules consisting of 12 individual cells each (396 in total)

196 individual cells are in series

2 sets of 196 individual cells are in parallel.