



W A V E
INDUSTRIES

Lithium Battery Capacities

Representative Example

400 Series - E420

Representative Example



34kWh Supercapacitor

Total Capacity, Kw	34
Recommended Capacity (70% of maximum), Kw	15
Recommended Mileage On Single Charge, Miles	14
Maximum Bus Mileage Based On ULEB Test (1.01Kw/Km), Miles	33
Maximum Charging Power, Kw	300
Recharge Time To 70% Capacity, Min	5
Indicative Maximum Charging Time (100% DOD) At Maximum Permitted Power	8
Number Of Cycles (With DOD no more than 70%) Before 20% Capacity Loss	90,000

178kWh Lithium Battery (NMC)

Total Capacity, Kw	178
Recommended Capacity (70% of maximum), Kw	77
Recommended Mileage On Single Charge, Miles	76
Maximum Bus Mileage Based On ULEB Test (1.01Kw/Km), Miles	176
Maximum Charging Power, Kw	200
Recharge Time To 70% Capacity, Min	37.38
Indicative Maximum Charging Time (100% DOD) At Maximum Permitted Power	60
Number Of Cycles (With DOD no more than 70%) Before 20% Capacity Loss	6000

236kWh Lithium Battery (NMC)

Total Capacity, Kw	236
Recommended Capacity (70% of maximum), Kw	100
Recommended Mileage On Single Charge, Miles	101
Maximum Bus Mileage Based On ULEB Test (1.01Kw/Km), Miles	233
Maximum Charging Power, Kw	250
Recharge Time To 70% Capacity, Min	39.64
Indicative Maximum Charging Time (100% DOD) At Maximum Permitted Power	70
Number Of Cycles (With DOD no more than 70%) Before 20% Capacity Loss	6000

294kWh Lithium Battery (NMC)

Total Capacity, Kw	294
Recommended Capacity (70% of maximum), Kw	1-3.5
Recommended Mileage On Single Charge, Miles	126
Maximum Bus Mileage Based On ULEB Test (1.01Kw/Km), Miles	291
Maximum Charging Power, Kw	300
Recharge Time To 70% Capacity, Min	41.16
Indicative Maximum Charging Time (100% DOD) At Maximum Permitted Power	80
Number Of Cycles (With DOD no more than 70%) Before 20% Capacity Loss	6000

72kWh Lithium Battery (LTO)

Total Capacity, Kw	72
Recommended Capacity (70% of maximum), Kw	31
Recommended Mileage On Single Charge, Miles	49.9
Maximum Bus Mileage Based On ULEB Test (1.01Kw/Km), Miles	31
Maximum Charging Power, Kw	300
Recharge Time To 70% Capacity, Min	10.08
Indicative Maximum Charging Time (100% DOD) At Maximum Permitted Power	16
Number Of Cycles (With DOD no more than 70%) Before 20% Capacity Loss	15000

350kWh Lithium Battery (LFP)

Total Capacity, Kw	350
Recommended Capacity (70% of maximum), Kw	152
Recommended Mileage On Single Charge, Miles	150
Maximum Bus Mileage Based On ULEB Test (1.01Kw/Km), Miles	346.5
Maximum Charging Power, Kw	210
Recharge Time To 70% Capacity, Min	70
Indicative Maximum Charging Time (100% DOD) At Maximum Permitted Power	120
Number Of Cycles (With DOD no more than 70%) Before 20% Capacity Loss	3500