


STAR™ LITHIUM BATTERY SPECS

	80 AH	105 AH	160 AH	210 AH
Part Number	2BA405	2BA410	2BA414	2BA415
2 Passenger Flat Ground Estimated Range*	15-25 Miles (24-40km)	30-40 Miles (48-64 km)	45-60 Miles (70-95 km)	50-80 Miles (80-129 km)
Nominal voltage	48 Volt	48 Volt	48 Volt	48 Volt
Nominal capacity	80 AH	105 AH	160 AH	210 AH
Stored energy	3.84 kWh	5.04 kWh	7.68 kWh	10.08 kWh
Self discharge	<5% per month	<5% per month	<5% per month	<5% per month
Max Continuous Discharging Current	105 A	105 A	150 A	200 A
Max Discharge Current (10 sec)	350 A	350 A	350 A	480 A
Standard charging time	3-4 hours	5-6 hours	7-8 hours	9-10 hours
Communication	CAN2.0B and RS485	CAN2.0B and RS485	CAN2.0B and RS485	CAN2.0B and RS485
Dimensions and Weight	17.5" x 12.2" x 9.8" (445 x 310 x 250 mm) 88 lbs (40 kgs)	18" x 13.4" x 9.8" (460 x 310 x 250 mm) 90 lbs (41 kgs)	20" x 14.75" x 9.4" (510 x 375 x 240 mm) 138 lbs. (63 kgs)	21" x 18" x 9.8" (539 x 454 x 250 mm) 198 lbs (90 kgs)
Recommended operating temperature range	Discharge: -20-60 °C Charge: 0-45 °C	Discharge: -20-60 °C Charge: 0-45 °C	Discharge: -20-60 °C Charge: 0-45 °C	Discharge: -20-60 °C Charge: 0-45 °C
BMS Protections:	cell-level voltage temp over voltage, under voltage, over current	cell-level voltage temp over voltage, under voltage, over current	cell-level voltage temp over voltage, under voltage, over current	cell-level voltage temp over voltage, under voltage, over current
Casing material	Cold rolled steel	Cold rolled steel	Cold rolled steel	Cold rolled steel

STAR EV CORPORATION

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