

Lithium Batteries

In its systems SCE uses batteries with Lithium Iron Phosphate (LiFePO4) technology, a type that guarantees high thermal and chemical stability and provides more safety features than other lithium-ion technologies.

	LYP40AHA	LYP60AHA	LYP90AHA	LYP100AHA	LYP100AHA (A)	LYP160AHA
Dimensions (LxDxH)	116x46x183 mm	115x61x203 mm	143x616x218 mm	179x62x218 mm	142x67x218 mm	209x65x280 mm
Weight	1,5 Kg	2,3 Kg	3,0 Kg	3,3 Kg	3,5 Kg	5,6 Kg
Voltage	3,3 V					
Capacity	40 Ah	60 Ah	90 Ah	100 Ah	100 Ah	160 Ah
Life Cycle (DOD 80%)	≥3000 cycles					
Life Cycle (DOD 70%)	≥5000 cycles					

	LYP200AHA	LYP200AHA (A)	LYP260AHA	LYP300AHA	LYP400AHA (A)	LYP700AHA
Dimensions (LxDxH)	362x55.5x256 mm	183x100x280 mm	362x55.5x283 mm	362x55.5x306 mm	461x65x283.5 mm	627x67x306 mm
Weight	7,3 Kg	7,7 Kg	8,7 Kg	9,6 Kg	13,5 Kg	21,5 Kg
Voltage	3,3 V					
Capacity	200 Ah	200 Ah	260 Ah	300 Ah	400 Ah	700 Ah
Life Cycle (DOD 80%)	≥3000 cycles			≥5000 cycles		
Life Cycle (DOD 70%)	≥5000 cycles			≥7000 cycles		

WORKING TEMPERATURE IN CHARGE / DISCHARGE: -45°C ~ 85°C

MAXIMUM CHARGE CURRENT: ≤ 3CA / *MAXIMUM DISCHARGE CURRENT*: costant ≤ 3CA - Impulsive ≤ 20CA

VOLTAGE: in charge = 4.0V - in discharge 2.8V

STANDARD CURRENT CHARGE/DISCHARGE: 0.5C

SELF DISCHARGE: ≤ 3% per month