

Category	Nominal Voltage	Lead Acid Equivalent	Series Number	Nominal Capacity		Dimensions (LxWxH)		Weight	
	[V]			[Wh]	[Ah]	[in]	[mm]	[lbs]	[kg]
Electric APU	12.8	2x AGM31	XL12A-3500	3,483	272	27 x 7 x 9	686 x 178 x 229	76.5	34.7
			XL12A-2500	2,492	195	27 x 7 x 9	686 x 178 x 229	60.8	27.6

Characteristic	Value	
	XL12A-3500	XL12A-2500
Type	Advanced lithium-ion technology	
Chemistry	Lithium iron phosphate [LiFePO ₄]	
Battery Management System [BMS]	Temperature monitoring, cell balancing, and electronic fusing	
Temperature Controls	Active heating and passive cooling	
Short Circuit Protection	Yes	
Certification	Designed to comply with UN/DOT 38.3	
Minimum State of Charge (SOC)	Factory cut off at 8%	
Terminals / Torque Values	Aluminum plated M10 x 1.5 / 35 ft-lbs	
Battery Enclosure Material	Aluminum	
Ingress Protection Rating	IP67	
Operating Temperature Range	-40 to 60 °C (-40 to 140 °F)	
Storage Temperature Range	-20 to 50 °C (-4 to 122 °F)	
Self Discharge Rate	2% / month	
Product Cycle Life	3,000 cycles @ 0.25 C	
Full Charge Time	6 hours with AVC	4 hours with AVC
Continuous Charge Current	0.5 C (140 A)	0.5 C (100 A)
Continuous Discharge Current	0.5 C (140 A)	0.5 C (100 A)
Peak Charge Current	0.7 C (200 A)	0.7 C (140 A)
Peak Discharge Current	0.7 C (200 A)	0.7 C (140 A)
Short Circuit Current	2.4 C (700 A)	0.7 C (500 A)

Characteristic	Nominal	Absolute Minimum	Recommended		Maximum Charge
			Cutoff	Charge	
Battery Voltage	12.8 V	10.8 V	11.8 V	14.4 V	14.8 V

