

Advanced Lithium-ion Technology

XL Series

Category	Nominal Voltage	Lead Acid Equivalent		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

Chamadaniai a	Value					
Characteristic	XL12A-3500	XL12A-2500				
Туре	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	Recommended		Maximum	
Characteristic	IVOITIIIIai	Minimum	Cutoff	Charge	Charge	
Battery Voltage	12.8 V	10.8 V	11.8 V	14.4 V	14.8 V	



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