

Power

AlphaCell™ GXL Broadband Batteries



NEW 195 GXL and 220 GXL:

- High-performance Silver Alloy for maximum life expectancy
- Increased runtime for VoIP networks
- 100% runtime capacity out-of-box – No cycling required
- Maintenance-free threaded inserts — No periodic retorquing
- Available with 4 and 5 year full warranties

Alpha's standby battery offering incorporates Gel for thermal dissipation to ensure optimal life performance for your particular Broadband application. The AlphaCell Batteries provide the longest runtimes and the best longevity in today's demanding outdoor non-temperature controlled cable power environments. All backed with industry leading full non-prorated warranties.



Model:	220 GXL	195 GXL	165 GXL
Warranty ¹ :	4 to 5 year full replacement	4 to 5 year full replacement	4 to 5 year full replacement
Service Life:	Extended	Extended	Extended
Runtime (minutes) ² :	220	195	165
Sealed VRLA:	Valve regulated lead acid	Valve regulated lead acid	Valve regulated lead acid
Heat Resistant:	Extreme	Extreme	Extreme
Hydrogen Emission:	Low	Low	Low
Terminals:	Threaded insert 1/4" - 20 UNC	Threaded insert 1/4" - 20 UNC	Threaded insert 1/4" - 20 UNC

Specifications⁴

Model:	220 GXL	195 GXL	165 GXL
Typical Runtime (minutes) ² :	220	195	165
Cells Per Unit:	6	6	6
Voltage Per Unit:	12.8	12.8	12.8
Conductance Value:	1175	1100	1000
Max. Discharge Current (A):	900	900	800
Short Circuit Current (A):	2800	2600	2500
10 Second Volts @ 100A:	11.4	11.3	11.2
Ohms Impedance 60Hz:	0.0050	0.0050	0.0055
Nominal Capacity at 20hrs: (to 1.75VPC)	109Ah	100Ah	86
Nominal Capacity at 20hrs: (to 1.70VPC)	110Ah	102Ah	87
BCI Group Size:	31	31	27
Weight (lb/kg):	73/33.2	67/30.5	63/28.6
Height w/ Terminals (in/mm):	8.48/215.4	8.48/215.4	8.05/204.5
Width (in/mm) ³ :	13.42/340.9	13.42/340.9	12.5/317.8
Depth (in/mm) ³ :	6.80/172.7	6.80/172.7	6.83/173.4
Operating Temperature Range			
Discharge:	-40 to 71°C (-40 to 160°F)	-40 to 71°C (-40 to 160°F)	-40 to 71°C (-40 to 160°F)
Charge (with temp compensation):	-23 to 60°C (-9.4 to 140°F)	-23 to 60°C (-9.4 to 140°F)	-23 to 60°C (-9.4 to 140°F)
Float Charging Voltage (VDC):	13.5 to 13.8	13.5 to 13.8	13.5 to 13.8
AC Ripple Charge:	0.5% RMS or 1.5% of float charge voltage recommended for best results. Max. allowed = 4% P-P		

Notes:

- ¹ Warranty varies by country and region. Warranty valid only when used with Alpha approved Power Supplies, Chargers and Enclosures. Consult your sales person for details.
- ² Runtimes calculated using a 25A DC constant current load
- ³ Dimensions at top of battery.
- ⁴ See AlphaCell Users Guide for Additional Details

Typical Standby Time in Minutes @ 25°C/77°F

XM290Vac@	4A			6A			8A			10A		
Battery Runtime:	220	195	165	220	195	165	220	195	165	220	195	165
3 batteries:	508	453	396	320	285	249	236	209	193	186	165	144
4 batteries:	701	625	546	444	396	346	329	293	256	261	232	203
6 batteries:	1091	978	853	701	625	546	523	465	407	418	372	325
8 batteries:	1487	1338	1165	960	859	750	720	643	562	577	515	450
9 batteries:	1686	1519	1322	1091	978	853	820	733	640	659	587	514

XM290Vac@	12A			14A			16A			18A		
Battery Runtime:	220	195	165	220	195	165	220	195	165	220	195	165
3 batteries:	149	132	115	119	106	92	101	89	77	87	78	66
4 batteries:	210	187	163	169	151	132	144	128	112	124	111	96
6 batteries:	339	301	264	275	245	214	236	209	183	204	182	159
8 batteries:	478	419	367	385	341	299	329	293	256	288	255	223
9 batteries:	538	479	419	440	391	342	377	335	294	329	293	256

XM260Vac@	4A			6A			8A			10A		
Battery Runtime:	220	195	165	220	195	165	220	195	165	220	195	165
3 batteries:	798	712	622	508	453	396	377	335	294	300	267	233
4 batteries:	1091	978	853	701	625	546	523	465	407	418	372	325
6 batteries:	1686	1519	1322	1091	978	853	820	733	640	659	587	514
8 batteries:	2298	2067	1798	1487	1338	1165	1122	1006	877	904	809	706
9 batteries:	2590	2345	2037	1686	1519	1322	1273	1143	997	1027	921	803

XM260Vac@	12A			14A			16A			18A		
Battery Runtime:	220	195	165	220	195	165	220	195	165	220	195	165
3 batteries:	242	215	188	196	174	151	166	148	125	144	128	107
4 batteries:	339	301	264	275	245	214	236	209	182	204	182	155
6 batteries:	538	479	419	440	391	340	377	335	290	329	293	252
8 batteries:	741	660	577	607	541	470	523	465	402	458	407	351
9 batteries:	843	753	658	692	617	538	597	531	462	523	465	402

* Above calculations based on an AC load with a .90 cable plant power factor.

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