

# Power

## AlphaCell™

GXL GelCell Batteries



NEW 195 GXL and 220 GXL:

- High-performance Silver Alloy for maximum life expectancy
- Longer runtime for demanding outdoor environments
- 100% runtime capacity out-of-box – No cycling required
- Maintenance-free threaded inserts — No periodic retorquing
- Available with 4 and 5 year full warranties
- Wide operating temperature range

Alpha's standby battery offering incorporates Gel for thermal dissipation to ensure optimal life performance for your particular Broadband, Traffic or Wi-fi application. AlphaCell Batteries provide the longest runtimes and the best longevity in today's demanding outdoor applications and are backed by Alpha's industry-leading, non-prorated hassle-free warranties.



Model:	220 GXL	195 GXL	165 GXL
Warranty <sup>1</sup> :	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) <sup>2</sup> :	221	196	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

Specifications<sup>4</sup>

Model:	220 GXL	195 GXL	165 GXL
Typical Runtime (minutes) <sup>2</sup> :	221	196	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) <sup>3</sup> :	13.42/340.9	13.42/340.9	12.5/317.8
Depth (in/mm) <sup>3</sup> :	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 Charger:	0.5% RMS or 1.5% of float charge voltage recommended for best results. Max. allowed = 4% P-P		

Notes:

- <sup>1</sup> 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.
- <sup>2</sup> Runtimes calculated using a 25A DC constant current load.
- <sup>3</sup> Dimensions at top of battery.
- <sup>4</sup> See AlphaCell Users Guide for Additional Details.

Current Discharge Ratings Table in Amps (end Voltage 1.75VPC @ 25C/77F)

	1	2	3	4	6	8	10	12	20	24	48	72	100
220 GXL	67.7	40.4	29.1	22.9	16.1	12.6	10.2	8.7	5.5	4.6	2.4	1.6	1.2
195 GXL	65.1	37.4	26.8	21.0	14.8	11.5	9.5	8.0	5.0	4.3	2.2	1.5	1.1
165 GXL	55.9	32.8	23.5	18.4	12.9	10.0	8.2	6.9	4.3	3.7	1.9	1.3	0.9

Amp Hour Ratings (end Voltage 1.75VPC @ 25C/77F)

	1	2	3	4	6	8	10	12	20	24	48	72	100
220 GXL	67.7	80.8	87.3	91.6	96.6	100.8	102	104.4	109	110.4	115.2	115.2	120
195GXL	65.1	74.8	80.4	84	88.8	92	95	96	100	103.2	105.6	108	110
165GXL	55.9	65.6	70.5	73.6	77.4	80	82	82.8	86	88.8	91.2	93.6	90

For contact information visit [www.alpha.com](http://www.alpha.com)

The Alpha Group >	North America	Europe, Middle East & Africa	Asia Pacific	Latin & South America	
	Canada Tel: +1 604 436 5900 Fax: +1 604 436 1233 Toll Free: +1 800 667 8743  USA Tel: +1 360 647 2360 Fax: +1 360 671 4936	Cyprus Tel: +357 25 375 675 Fax: + 357 52 359 595  Russia Tel: +7 495 925 9844 Fax: +7 495 916 1349	Germany Tel: +49 9122 79889 0 Fax: +49 9122 79889 21  United Kingdom Tel: +44 1279 501110 Fax: +44 1279 659870	Lithuania Tel: +370 5 210 5291 Fax: +370 5 210 5292  P.R. China Tel: +852 2736 8663 Fax: +852 2199 7988	Contact USA office