

Power

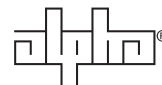
AlphaCell™ GXL

Valve Regulated Lead Acid Batteries



- Batteries designed specifically for standby applications
- All models deliver 100% “out-of-box” capacity — no cycling required
- Premium Gel models offer 50% longer life than traditional gel batteries
- Seven models incorporating four different battery technologies
- Full replacement, non-prorated warranties
- Convenient carrying handle standard on all models

Alpha's standby battery offering includes six different models incorporating four separate battery technologies, ensuring optimal performance for all outdoor powering applications. These batteries provide improved performance, longer runtimes and extended service life.



AlphaCell GXL

General Specifications

Model:	Gold HP (215, 190)	Gel GXL (210,180,165)	GXL HP (85)	AGM (160)
Warranty ¹ :	6 year Full replacement	4 to 5 year Full replacement	5 year Full replacement	1 year Full replacement
Service Life:	Extended	Long	Extended	Average
Runtime (minutes) ² :	215, 190	210, 180 & 165	85	160
Sealed VRLA:	Valve regulated lead acid	Valve regulated lead acid	Valve regulated lead acid	Valve regulated lead acid
Heat Resistant:	Extreme	High	Extreme	Moderate
Hydrogen Emission:	Low	Low	Low	Low
Terminals:	Treaded Insert 1/4" - 20 UNC	Treaded Insert 1/4" - 20 UNC	Treaded Insert 10-32 UNF	Threaded Insert 1/4" - 20 UNC

Specifications

Model:	215 Gold HP	210 GXL	190 Gold HP	180 GXL	165 GXL	85 GXL-HP	160 AGM
Silver Alloy:	Yes	Yes	Yes	Yes	Yes	Yes	No
Typical Runtime (minutes) ² :	215	210	190	180	165	85	160
Cells Per Unit:	6	6	6	6	6	6	6
Voltage Per Unit:	12.8	12.8	12.8	12.8	12.8	12.8	12.8
Conductance Value:	1175	1175	1100	1100	1000	600	1300
Max. Discharge Current (A):	900	900	900	900	800	600	800
Short Circuit Current (A):	2800	2800	2600	2600	2500	2200	3300
10sec Volts @ 100A:	11.4	11.4	11.3	11.3	11.2	10.8	11.6
Ohms Impedance 60Hz:	0.0050	0.0050	0.0050	0.0050	0.0055	0.0065	0.004
Capacity at 20hrs: (to 1.75VPC)	107Ah	106Ah	95Ah	94Ah	86Ah	50Ah	88Ah
BCI Group Size:	31	31	31	31	27	22	27
Weight (lb/kg):	72/32.7	72/32.7	66/30	66/30	63/28.6	39.6/18	62/28
Height w/ Terminals (in/mm):	8.48/215.4	9.48/240.8	8.48/215.4	9.48/240.8	9.05/229.8	8.09/205.6	9.05/229.8
Width (in/mm) ³ :	13.42/340.9	13.42/340.9	13.42/340.9	13.42/340.9	12.5/317.8	8.99/228.3	12.57/317.8
Depth (in/mm) ³ :	6.80/172.7	6.80/172.7	6.80/172.7	6.80/172.7	6.83/173.4	5.47/138.9	6.83/173.4
Operating Temperature Range							
Discharge (°C):	-40 to 71°C	-40 to 71°C	-40 to 71°C	-40 to 71°C	-40 to 71°C	-40 to 71°C	-40 to 71°C
Charge (with temp compensation):	-23 to 60°C	-23 to 60°C	-23 to 60°C	-23 to 60°C	-23 to 60°C	-23 to 60°C	-23 to 60°C
Float Charging Voltage (VDC):	13.5 to 13.8	13.5 to 13.8	13.5 to 13.8	13.5 to 13.8	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. Maximum allowed = 4% P-P						

Notes:

- Warranty varies by country and region. Consult your sales person for details.
- Runtimes calculated using a 25A DC constant current load with voltage discharge to 1.75V/cell @ 25°C.
- Dimensions at top of battery.

Current Discharge Ratings Table in Amps (end Voltage 1.75VPC)

Hours	1	2	3	4	6	8	10	12	20	24	48	72	100
215 Gold	67.8	40.5	29.1	22.9	16.1	12.6	10.2	8.7	5.46	4.61	Call*	Call*	Call*
210 GXL	66.3	39.6	28.5	22.4	15.8	12.3	10.0	8.54	5.34	4.51	Call*	Call*	Call*
190 Gold	64.5	37.1	26.6	20.8	14.6	11.4	9.4	7.9	4.96	4.2	2.2	1.5	1.08
180 GXL	61.2	35.2	25.2	19.7	13.9	10.8	8.9	7.5	4.7	4.0	2.1	1.4	1.03
165 GXL	55.9	32.8	23.5	18.4	12.9	10.0	8.2	6.9	4.3	3.7	1.9	1.29	0.94
85 GXL HP	33.2	18.8	13.3	10.4	7.34	5.70	4.68	3.97	2.50	2.12	1.11	0.76	0.56

* Call Alpha for current discharge ratings.

For more information visit www.alpha.com

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