

AlphaCell™ GXL

Gel Top Terminal Batteries



Your Power Solutions Partner

- High-performance silver alloy battery 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 warranties.

Power



AlphaCell GXL Gel Top Terminal Batteries

NOMINAL SPECIFICATIONS FOR GOLD-HP			
Model	220GXL	195GXL	165GXL
P/N	181-231-10	181-230-10	1810015
Warranty*	4 to 5 years full replacement		
Service life	Extended		
Battery type	True gel cell and silver alloy grid battery technologies		
Heat resistant	Extreme		
Hydrogen emission	Low		
Capacity at 20hrs (to 1.75VPC)	109Ah	100Ah	86Ah
Typical runtime (minutes)**	221	196	165
BCI group size	31	31	27
Terminals	Threaded insert 1/4"- 20 UNC		
Cells per unit	6	6	6
Voltage per unit	12.8V	12.8V	12.8V
Conductance value @ 25°C	960-1400	880-1320	800-1200
Impedance @ 60Hz (Ohms)	0.005	0.005	0.0055
Max. discharge current	900A	900A	800A
Short circuit current	2800A	2600A	2500A
10 second volts @ 100A	11.4	11.3	11.2

MECHANICAL				
Dimensions (Height includes terminals)	mm	215.4H x 340.9W x 172.7D	215.4H x 340.9W x 172.7D	204.5H x 317.8W x 173.4D
	inches	8.48H x 13.42W x 6.8D	8.48H x 13.42W x 6.8D	8.05H x 12.5W x 6.83D
Weight		33.2kg (73lbs)	28.6kg (63lbs)	30.5kg (67lbs)

ENVIRONMENTAL (ALL MODELS)	
Discharge	-40 to 71°C (-40 to 160°F)
Charge (with temperature compensation -5mV/C per °C)	-23 to 60°C (-9.4 to 140°F)
Float charging voltage	13.5 to 13.8Vdc
AC ripple charger	0.5% RMS or 1.5% of float charge voltage recommended for best results. Max. allowed = 4%V pk to pk

CURRENT DISCHARGE RATINGS TABLE IN AMPS (END VOLTAGE 1.75VPC @ 25°C/77°F)													
Hours	1	2	3	4	6	8	10	12	20	24	48	72	100
220GXL	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
195GXL	65.1	37.4	26.8	21	14.8	11.5	9.5	8	5	4.3	2.2	1.5	1.1
165GXL	55.9	32.8	23.5	18.4	12.9	10	8.2	6.9	4.3	3.7	1.9	1.3	0.9

* Warranty varies by country and region. Warranty valid only when used with Alpha approved power supplies, chargers and enclosures in US/Canada. 5 years warranty when purchased in conjunction with AlphaGuard. Consult your salesperson or manual for details.

** Runtime calculated using a 25A DC constant current load


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