

Power

AlphaCell™
GOLD-HP GelCell Batteries



NEW 195 GOLD-HP and 220 GOLD-HP:

- 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 5 and 6 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.

General Specifications

Model:	220 GOLD-HP	195 GOLD-HP
Warranty ¹ :	5 to 6 year ⁵ full replacement	5 to 6 year ⁵ full replacement
Service Life:	Extended	Extended
Runtime (minutes) ² :	220	195
Sealed VRLA:	Valve regulated lead acid	Valve regulated lead acid
Heat Resistant:	Extreme	Extreme
Hydrogen Emission:	Low	Low
Terminals:	Threaded insert 1/4" - 20 UNC	Threaded insert 1/4" - 20 UNC

Specifications⁴

Model:	220 GOLD-HP	195 GOLD-HP
Typical Runtime (minutes) ² :	220	195
Cells Per Unit:	6	6
Voltage Per Unit:	12.8	12.8
Conductance Value:	1175	1100
Max. Discharge Current (A):	900	900
Short Circuit Current (A):	2800	2600
10 Second Volts @ 100A:	11.4	11.3
Ohms Impedance 60Hz:	0.0050	0.0050
Nominal Capacity at 20hrs: (to 1.75VPC)	109Ah	100Ah
Nominal Capacity at 20hrs: (to 1.70VPC)	110Ah	102Ah
BCI Group Size:	31	31
Weight (lb/kg):	73/33.2	67/30.5
Height w/ Terminals (in/mm):	8.48/215.4	8.48/215.4
Width (in/mm) ³ :	13.42/340.9	13.42/340.9
Depth (in/mm) ³ :	6.80/172.7	6.80/172.7
Operating Temperature Range		
Discharge:	-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)
Float Charging Voltage (Vdc):	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:

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.

⁵ In Canada, the Gold warranty is 6 years when AlphaGuard™ Charge Management is used in the battery string, and 5 years if AlphaGuard Charge Management is not used.

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

XM290Vac@	4A	6A	8A	10A
Battery Runtime:	220	195	220	195
3 batteries:	508	453	320	285
4 batteries:	701	625	444	396
6 batteries:	1091	978	701	625
8 batteries:	1487	1338	960	859
9 batteries:	1686	1519	1091	978

XM290Vac@	12A	14A	16A	18A
Battery Runtime:	220	195	220	195
3 batteries:	149	132	119	106
4 batteries:	210	187	169	151
6 batteries:	339	301	275	245
8 batteries:	478	419	385	341
9 batteries:	538	479	440	391

XM260Vac@	4A	6A	8A	10A
Battery Runtime:	220	195	220	195
3 batteries:	798	712	508	453
4 batteries:	1091	978	701	625
6 batteries:	1686	1519	1091	978
8 batteries:	2288	2067	1487	1338
9 batteries:	2690	2345	1686	1519

XM260Vac@	12A	14A	16A	18A
Battery Runtime:	220	195	220	195
3 batteries:	242	215	196	174
4 batteries:	339	301	275	245
6 batteries:	538	479	440	391
8 batteries:	741	660	607	541
9 batteries:	843	753	692	617

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

For contact information visit www.alpha.com

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