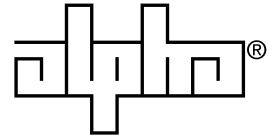


AlphaCell™

GXL GelCell Batteries



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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 :	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

Specifications⁴

Model:	220 GXL	195 GXL	165 GXL
Typical Runtime (minutes) ² :	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) ³ :	13.42/340.9	3.42/340.9	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 1°C (-40 to 160°F)	-40 to 1°C (-40 to 160°F)
Charge (with temp compensation):	-23 to 60°C (-9.4 to 140°F)	-23 to 0°C (-9.4 to 140°F)	-23 to 0°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

XM2 90Vac@	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

XM2 90Vac@	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

XM2 60Vac@	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:	2288	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

XM2 60Vac@	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.