

# Power

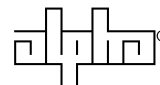
## AlphaCell™

Broadband WiFi and UPS Batteries



- Silver alloy for maximum life expectancy — 135 AGM-P and the 85 GXL-HP
- 100% Runtime capacity “out-of-box” — no cycling required
- Industry leading full-replacement, non-prorated warranty
- Ideal for WiFi, WiMax, traffic and cable applications

Alpha's standby battery offering incorporates various battery technologies, ensuring optimal performance for your particular application. The AlphaCell Batteries provide the ultimate warranties, the longest runtimes and the best longevity in today's demanding outdoor non-temperature controlled enclosure applications.



# AlphaCell

## General Specifications

Model:	85 GXL-HP	135 AGM-P	160 AGM
Warranty <sup>1</sup> :	5 year full replacement	4 year full replacement	1 year full replacement
Service Life:	Extended	Long	Average
Runtime (minutes) <sup>2</sup> :	85	135	160
Sealed VRLA:	Valve regulated lead acid	Valve regulated lead acid	Valve regulated lead acid
Heat Resistant:	Extreme	High to Moderate	Moderate
Hydrogen Emission:	Low	Low	Low
Terminals:	Threaded insert 10-32 UNF	Threaded insert 1/4" - 20 UNC	Threaded insert 1/4" - 20 UNC

## Specifications

Model:	85 GXL-HP	135 AGM-P	160 AGM
Typical Runtime (minutes) <sup>2</sup> :	85	135	160
Cells Per Unit:	6	6	6
Voltage Per Unit:	12.8	12.8	12.8
Conductance Value:	600	1125	1300
Max. Discharge Current (A):	600	800	800
Short Circuit Current (A):	2200	3100	3300
10 Second Volts @ 100A:	10.8	11.5	11.6
Ohms Impedance 60Hz:	0.0065	0.005	0.004
Capacity at 20hrs: (to 1.75VPC)	50Ah	75Ah	88Ah
BCI Group size:	22	24	27
Weight (lb/kg):	39.6/18	54.8/24.9	62/28
Height w/ terminals (in/mm):	8.09/205.6	8.02/203.6	9.05/229.8
Width (in/mm) <sup>3</sup> :	8.99/228.3	10.26/260.5	12.57/317.8
Depth (in/mm) <sup>3</sup> :	5.47/138.9	6.83/173.4	6.83/173.4
<b>Operating Temperature Range</b>			
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. Consult your sales person for details.
- <sup>2</sup> Runtimes calculated using a 25A DC constant current load with voltage discharge to 1.75V/cell @ 25°C.
- <sup>3</sup> Dimensions at top of battery.

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

XM2 90VAC@	4A			6A			8A			10A			12A			14A			16A			18A		
Battery Runtime:	165	135	85	165	135	85	165	135	85	165	135	85	165	135	85	165	135	85	165	135	85	165	135	85
3 batteries:	396	205	128	249	205	128	183	149	93	144	116	73	115	93	58	92	75	47	77	64	39	66	56	33
4 batteries:	546	289	180	346	289	180	256	211	132	203	166	104	163	133	83	132	106	67	112	90	57	96	78	48
6 batteries:	853	461	288	546	461	288	407	342	212	325	271	168	264	218	136	214	175	109	183	149	93	159	129	79
8 batteries:	1165	636	401	750	636	401	562	475	296	450	379	236	367	307	190	299	248	154	256	211	132	223	183	112
9 batteries:	1322	—	—	853	—	—	640	—	—	514	—	—	419	—	—	342	—	—	294	—	—	256	—	—

XM2 60VAC@	4A			6A			8A			10A			12A			14A			16A			18A		
Battery Runtime:	165	135	85	165	135	85	165	135	85	165	135	85	165	135	85	165	135	85	165	135	85	165	135	85
3 batteries:	622	332	206	396	332	206	294	244	151	233	192	116	188	153	94	152	123	75	129	104	64	112	90	55
4 batteries:	853	461	288	546	461	288	407	342	212	325	271	164	264	218	132	214	175	107	183	149	91	159	129	79
6 batteries:	1322	724	398	853	724	398	640	542	296	514	433	232	419	352	190	342	285	155	294	244	134	256	211	116
8 batteries:	1798	989	547	1165	989	547	877	744	408	706	598	320	577	488	263	473	398	214	407	342	188	356	298	163
9 batteries:	2037	—	—	1322	—	—	997	—	—	803	—	—	658	—	—	540	—	—	465	—	—	407	—	—

Note: Above calculations based on an AC load with a .92 cable plant power factor.

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

Hours	1	2	4	8	20
85 GXL	33.2	18.8	10.4	5.70	2.50
135 GXL	49.0	28.0	15.5	8.63	3.75
160 AGM	54.3	31.0	17.8	9.9	4.40

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

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