Power

AlphaCell™ 85 GXL HP

Valve Regulated Lead Acid Batteries

- Designed specifically for standby applications
- Deliver 100% “out-of-box” capacity — no cycling required
- Premium Gel model offers 50% longer life than traditional gel batteries
- Full replacement, non-prorated warranties
- Silver Alloy minimizes grid corrosion
- Maintenance-free threaded inserts; no periodic retorquing

Alpha’s standby battery offering incorporates true Gel Cell and Silver Alloy grid battery technologies, ensuring optimal performance for your outdoor cable, traffic or WiFi application. AlphaCell batteries provide the ultimate warranty, longest runtimes and superior longevity in today’s demanding outdoor non-temperature controlled cable power environments.

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General Specifications

Warranty[1]:	5 year Full replacement
Service Life:	Extended
Runtime (minutes)[2]:	85
Sealed VRLA:	Valve regulated lead acid
Heat Resistant:	Extreme
Hydrogen Emission:	Low
Terminals:	Threaded Insert 10-32 UNF

Specifications

Silver Alloy:	Yes
Typical Runtime (minutes)[2]:	85
Cells Per Unit:	6
Voltage Per Unit:	12.8
Conductance Value:	600
Max. Discharge Current (A):	600
Short Circuit Current (A):	2200
10sec Volts @ 100A:	10.8
Ohms Impedance 60Hz:	0.0065
Capacity at 20hrs: (to 1.75VPC)	50Ah
BCI Group Size:	22
Weight (lb/kg):	39.6/18
Height w/ Terminals (in/mm):	8.09/205.6
Width (in/mm)[3]:	8.99/228.3
Depth (in/mm)[3]:	5.47/138.9
Operating Temperature Range	
Discharge (°C):	-40 to 71˚C
Charge (with temp compensation):	-23 to 60˚C
Float Charging Voltage (Vdc):	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:

[1] Warranty varies by country and region. Consult your sales person for details.

[2] Runtimes calculated using a 25A DC constant current load with voltage discharge to 1.75V/cell @ 25˚C.

[3] 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
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

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