

LIFELINE

...the heart of your system®

NEW PRODUCT

GPL-31XT

125 Amp Hour Group 31



Technical specification for GPL-31XT

| | | | |
|---|--------------------------|----------------------------------|---|
| Nominal Voltage | 12 volts | Recommended charge voltage | Bulk Charge 14.2 - 14.6 volts |
| Amp hour capacity at 20 hour rate..... | 125 amp hour | | Absorption/Acceptance Charge 14.2 - 14.6 volts |
| Reserve Capacity at 25 amp discharge rate..... | 230 minutes | | Float Charge 13.1 to 13.4 volts |
| Reserve Capacity at 15 amp discharge rate..... | 455 minutes | Recommended Charge Amperage..... | Up to 100% of the rated |
| Reserve Capacity at 8 amp discharge rate..... | 910 minutes | | amp hour capacity |
| Dimensions (inches).....Length=12.90*, Width= 6.75, Height= 9.27* | | Self Discharge Rate..... | 2% per month at 77°F (25°C) |
| Dimensions (mm).....Length=328, Width=172, Height=236 | | Operating Temperature | -50° to 150° F (-45 to 65.5 C) |
| Weight | 75 pounds / 34 kilograms | Cycle life..... | 1,100 cycles to 50% DOD, 500 cycles to 100% DOD |
| | | Warranty | Refer to manual for warranty information by application |

Lifeline Batteries – Core Advantages

Construction Processes

- Complete hand assembly process – from the first stages of grid casting to the final forming of the batteries, the materials are handled at each phase and carefully inspected to insure flawless operation.
- Careful selection of the highest quality metals, glass matting, separators, epoxies and patented case construction are just a few of the fundamentals that we incorporate to build our highly effective batteries.
- Redundancy of quality control inspections at every stage of construction. Through the entire manufacturing process all quality control data is collected and stored in an extensive electronic library and available for reference if needed.

Battery Testing

- As a pioneer of the highest quality AGM battery technology we have more than 26 years experience with a proven successful battery line. We are an American family-owned and operated battery company that has been manufacturing and testing batteries since 1972.
- Extensive testing in two of our core markets (marine and RV); we have achieved operational life expectancies between 5 and 8 years and back our batteries with one of the most thorough warranties in the industry.
- More importantly than testing higher in an individual rating, Lifeline Batteries have been constructed to provide the optimal performance of what is required in every marine and RV application.

Applied Science

- Our extensive history of developing a premium AGM battery and proven success rate as determined through proper testing, has culminated into a product that is leading the industry in a number of areas.
- Our batteries have an extremely low internal resistance that allows them to accept current, much more efficiently than flooded lead-acid, gelled and other AGM batteries.
- During normal charging conditions there is no dangerous gassing and no hands-on maintenance required. Our batteries are a leader in the industry and provide roughly 1000 life-cycles discharged to the recommended 50%, which is 2 to 3 times more than many industry averages.

Consumer Confidence

- More than 150 original equipment manufacturers around the globe trust the quality assurance provided from our AGM battery line. Like our list of manufacturers, we believe the best way to foster long-term business relationships and repeat customers is through providing the highest quality battery available.
- We provide customers an extensive and expanding dealer / distributor network to make our batteries more easily accessible. Because our batteries are rated non-hazardous and non-spillable, they can be shipped anywhere.
- We encourage anyone seeking additional technical or product assistance to contact us directly and talk to an owner or family member. Our customer support department is readily available Monday-Friday 8AM to 4:30PM PST.

DEEP CYCLE BATTERIES • SPECIFICATIONS

| PART NUMBER | NOM VOLTS | OVERALL DIMENSIONS | | | UNIT WT Lbs. (Kgs) | CCA | CCA | CCA | CAPACITY AMPERE HOURS @20 hr. (1) RATE | MINUTES OF DISCHARGE @ | | |
|--------------|-----------|--------------------------|--------------|--------------|-----------------------|-------|-------|------|--|---------------------------|------------|-----------|
| | | L in (mm) | W in (mm) | H in (mm) | | 68° F | 32° F | 0° F | | 25 AMPS | 15 AMPS | 8 AMPS |
| GPL-U1T | 12 | 7.71 (196) | 4.97 (126) | 6.89 (175) | 24 (10.9) | 325 | 275 | 215 | 33 | 50 | 93 | 185 |
| GPL-24T | 12 | 11.13' (283) | 6.60 (168) | 9.25 (235) | 56 (25.5) | 800 | 680 | 550 | 80 | 149 | 259 | 524 |
| GPL-27T | 12 | 13.09 ² (333) | 6.60 (168) | 9.25 (235) | 65 (29.5) | 845 | 715 | 575 | 100 | 186 | 324 | 655 |
| GPL-30HT | 12 | 13.46 (342) | 6.77 (172) | 11.95 (304) | 96 (43.50) | 1000 | 850 | 700 | 150 | 315 | 555 | 1120 |
| GPL-31T | 12 | 12.90 (328) | 6.75 (171) | 9.27 (236) | 69 (31.4) | 880 | 750 | 600 | 105 | 195 | 340 | 688 |
| GPL-31XT | 12 | 12.90 (328) | 6.75 (171) | 9.27 (236) | 75 (34) | 950 | 800 | 650 | 125 | 230 | 455 | 910 |
| GPL-4DA | 12 | 20.76 (527) | 8.70 (221) | 8.63 (219) | 135 (61.2) | 1595 | 1360 | 1100 | 210 | 390 | 680 | 1375 |
| GPL-4DL | 12 | 20.76 (527) | 8.70 (221) | 8.63 (219) | 135 (61.2) | 1595 | 1360 | 1100 | 210 | 390 | 680 | 1375 |
| GPL-8DA | 12 | 20.76 (527) | 10.89 (277) | 8.60 (218) | 162 (73.6) | 1975 | 1675 | 1350 | 255 | 475 | 825 | 1670 |
| GPL-8DL | 12 | 20.76 (527) | 10.89 (277) | 8.60 (218) | 162 (73.6) | 1975 | 1675 | 1350 | 255 | 475 | 825 | 1670 |
| GPL-4CT | 6 | 10.28 (261) | 7.06 (179) | 9.92 (252) | 66 (30.0) | 1095 | 925 | 750 | 220 | 492 | 856 | 1692 |
| GPL-6CT | 6 | 10.28 (261) | 7.06 (179) | 12.94 (329) | 90 (40.8) | 1150 | 1025 | 925 | 300 | 692 | 1200 | 2205 |
| GPL-L16T | 6 | 11.64 (296) | 6.95 (177) | 15.73 (399) | 119 (54) | 1975 | 1675 | 1350 | 400 | 950 | 1625 | 3195 |
| GPL-4CT-2V | 2 | 10.28 (261) | 7.06 (179) | 9.92 (252) | 66 (30.0) | 2950 | 2500 | 2025 | 660 | 1476 | 2568 | 5076 |
| GPL-6CT-2V | 2 | 10.28 (261) | 7.06 (179) | 12.94 (329) | 90 (40.8) | 3100 | 2750 | 2500 | 900 | 2076 | 3600 | 6615 |
| GPL-L16CT-2V | 2 | 11.64 (296) | 6.95 (177) | 15.73 (399) | 119 (54.0) | 5332 | 4552 | 3645 | 1200 | 2850 | 4875 | 9585 |
| GPL-31T-2V | 2 | 12.90 (328) | 6.75 (171) | 9.27 (236) | 69 (31.4) | 4752 | 4050 | 3240 | 315 | 1170 | 2040 | 4128 |

¹ Add .091 (23.1) for Handle Embossment. ² Add 1.06 (27.0) for Handle Embossment.

Terminals: GPL-24T, GPL-27T & GPL-31T are heavy duty silicon-bronze Marine Terminals and the GPL-U1T is a 6mm copper alloy threaded insert. All "T" batteries supplied with brass bolts and washers. **Handles:** "T" models- Handles are built into cover design. GPL-24T and GPL-27T also incorporate strap handles. Handles not available on part number GPL-31T. Models GPL-4CT, GPL-6CT, GPL-4DA & GPL-8DA are equipped with rope handles. **Ratings:** Capacity ratings are stated 77° F (25 C) to 1.75 volts per cell. **Drawings:** Product drawings for each model available upon request. (1) All ratings are after 25 cycles and conform to B.C.I. specifications.

STARTING BATTERIES • SPECIFICATIONS

| PART NUMBER | NOM VOLTS | OVERALL DIMENSIONS | | | UNIT WT Lbs. (Kgs) | CCA | CCA | CCA | CAPACITY AMPERE HOURS @20 hr. (1) RATE |
|-------------|-----------|--------------------------|--------------|--------------|-----------------------|-------|-------|------|--|
| | | L in (mm) | W in (mm) | H in (mm) | | 68° F | 32° F | 0° F | |
| *GPL-1400T | 12 | 9.78 (248) | 4.97 (126) | 6.83 (174) | 32 (14.5) | 850 | 700 | 550 | 43 |
| *GPL-2400T | 12 | 11.13' (283) | 6.60 (168) | 9.25 (235) | 53 (24.1) | 870 | 790 | 650 | 75 |
| *GPL-2700T | 12 | 13.09 ² (333) | 6.60 (168) | 9.25 (235) | 63 (28.6) | 1020 | 900 | 745 | 95 |
| *GPL-3100T | 12 | 12.90 (328) | 6.74 (171) | 9.27 (236) | 67 (30.4) | 1120 | 950 | 810 | 100 |

