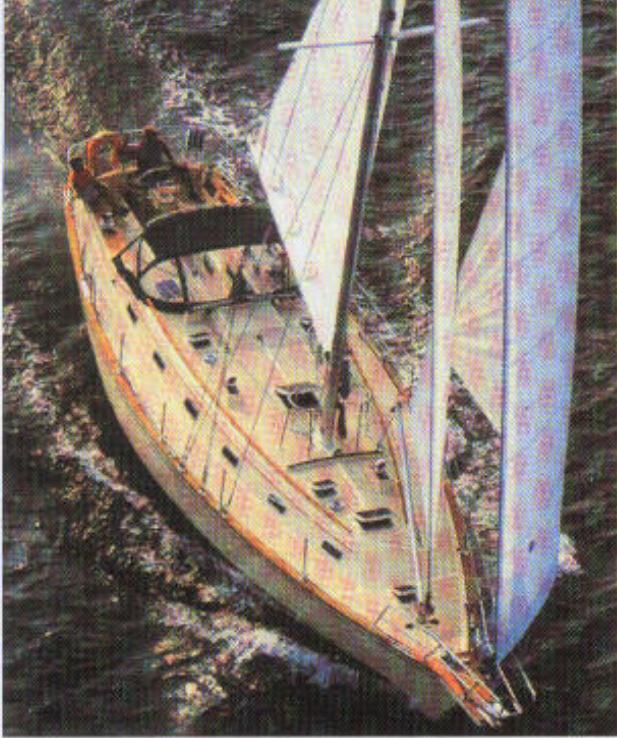
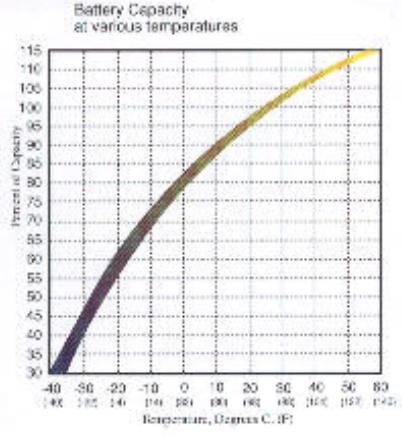
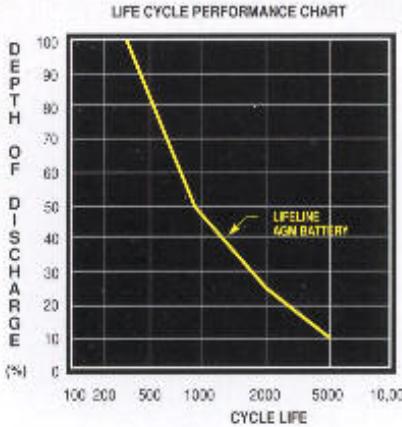


LONG CYCLE LIFE

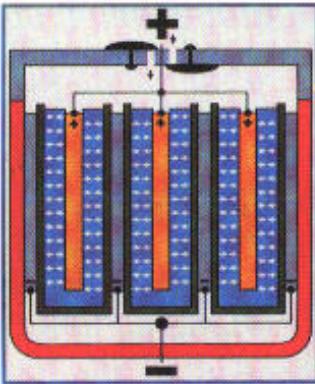


Lifeline Recombinant Gas Batteries

The cells are sealed with pressure relief valves that provide a positive pressure within the battery. The plates are sandwiched with a micro fibrous silica glass mat consisting of a blend of glass fibres of varying length and diameter that have good wicking characteristics and promote retention of the electrolyte. Electrolyte is absorbed and held in place by the capillary action between the fluid and the glass mat fibres. The mat is 90% saturated with electrolyte. By design, it is not totally saturated with electrolyte... a portion is filled with gas. The void space provides the channels by which oxygen travels in its path from positive to negative plate during charging. The void spaces allow the freshly generated gases, which are in their atomic state and very reactive, to recombine rapidly and safely. The recombination passivates the negative slightly, reducing electrolysis and ultimately eliminating the need to add water, which makes the battery truly maintenance free. Because of this type construction, the VRSLAB have much lower internal resistance and thus have greater starting power, particularly at cold temperatures. Additionally, this glass mat provides a much higher degree of support against shock and vibration than the old flooded type.



Achieving full capacity at a specified temperature is a function of charging voltage. Please refer to a "Lifeline" Charge Voltage/Ambient Temperature Charging Curve to ensure your batteries are being fully charged.



The recombination of the gases on charge with the absorbed glass mat design.

MARINE & R.V. STARTING APPLICATIONS

Part Number	Nom Volts	Overall Dimensions			Unit Wt lb. (kg)	CCA	CCA	CCA	Minutes of Discharge @
		L in(mm)	W in(mm)	H in(mm)		0°F	32°F	68°F	25 Amps
GPL-1300	12	5.23(133)	4.54(115)	5.81(148)	15(6.8)	265	335	415	32
GPL-1400T	12	9.78(249)	5.17(132)	6.83(174)	32(14.5)	550	700	850	90

Terminals: GPL-24T, GPL-27T & GPL-31T are heavy duty copper alloy Marine Terminals. GPL-1300T is a 10-32 copper alloy threaded insert and the GPL-1400T is an 8mm copper alloy threaded insert. The GPL-11T is a 1/4"-20NC copper alloy threaded insert. All "T" batteries supplied with brass bolts and washers. A= Automotive post 1= 1 bladed terminal 5/16" bolt hole and supplied with bolts and washers. Handles: "T" models= Handles are built into cover design. GPL-24T and GPL-27T also incorporate snap handles. Handles not available on part numbers GPL-4C & GPL-1300. Models GPL-4D & GPL-8D are equipped with rope handles. Ratings: Capacity ratings are stated at 77°F (25°C) to 1.75 volts per cell. Drawings: Product drawings for each model available upon request.

SPECIFICATIONS

Part Number	Nom Volts	Overall Dimensions			Unit Wt lb. (kg)	CCA	CCA	CCA	Capacity Ampere Hrs	Minutes of Discharge @		
		L in(mm)	W in(mm)	H in(mm)		68°F	32°F	0°F	@ 20 Hour Rate	25 Amps	15 Amps	8 Amps
GPL-11T	12	7.71(196)	5.18(132)	6.89(175)	24(10.9)	325	275	215	33	50	93	185
GPL-24T	12	11.13(283)	6.77(172)	9.25(235)	56(25.5)	800	680	550	80	149	259	524
GPL-27T	12	13.09(333)	6.77(172)	9.25(235)	65(29.5)	845	715	575	100	186	324	655
GPL-31T	12	12.90(328)	6.75(172)	9.27(236)	69(31.4)	880	750	600	105	195	340	688
GPL-4DA	12	20.75(528)	8.71(222)	10.09(257)	135(61.2)	1595	1360	1100	210	390	680	1375
GPL-4DL	12	20.75(527)	8.71(222)	10.44(266)	135(61.2)	1595	1360	1100	210	390	680	1375
GPL-8DA	12	20.72(527)	10.94(278)	9.88(251)	162(73.6)	1975	1675	1350	255	475	825	1670