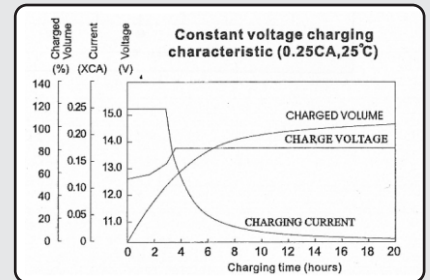
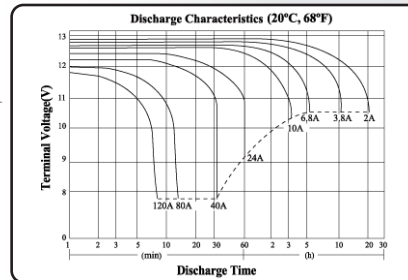
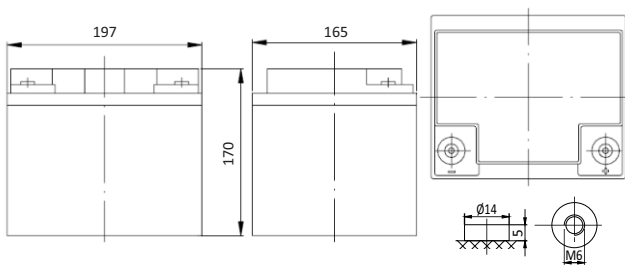


ENDUROGEL 12V50Ah

Valen ENDUROGEL battery is rechargeable, deep cycle, Valve Regulated Lead Acid (VRLA). Thanks to its Catalyst Life Extender, the Valen ENDUROGEL stands unique and apart from any other Gel battery. The Catalyst substantially reduces sulphation, thermal runaway, delamination and battery dry out; all major killers of VRLA batteries. By recombining hydrogen and oxygen ions, the Catalyst Life Extender can provide a longer, fuller and greener life. Valen ENDUROGEL batteries are ideal for use within Communications, solar and other mission critical cyclic applications.



SPECIFICATIONS

Voltage	12 Volt nominal
Number of cell	6
Design life	12 years
Nominal Capacity 25°C	
100Hr rate (10.5V)	46Ah
20Hr rate (10.5V)	40Ah
10Hr rate (10.5V)	37Ah
5Hr rate (10.5V)	31Ah
Dimensions	197(L)x165(W)x170(H)
Weight	12.5Kg
Plates	Heavy duty
Terminal	Insert - M6
Container/cover	ABS
Charge voltage	Cycle: 14.10-14.40V at 25°C Float: 13.50-13.80V at 25°C
Internal Resistance	9.5mΩ 25°C - Fully charged Battery
Electrolyte	Thixotropic Gel - Sulphuric acid
Vent	Self-sealing
Operating temperature:	-20°C to +60°C

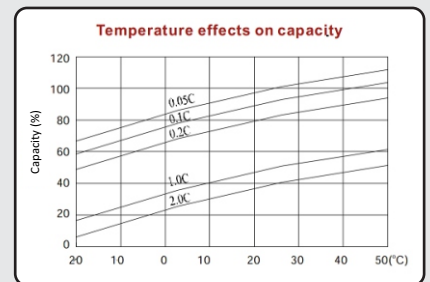
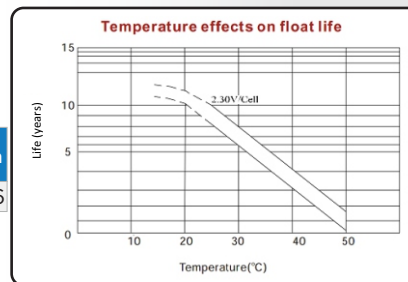
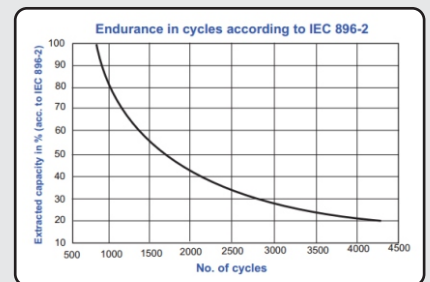
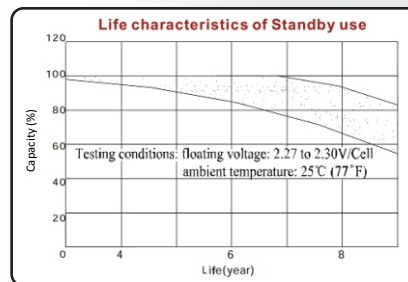
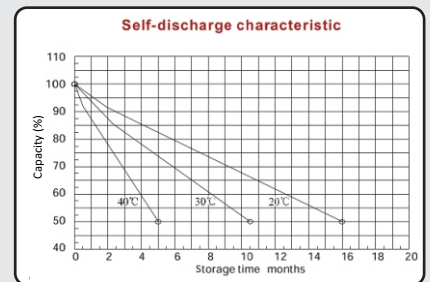
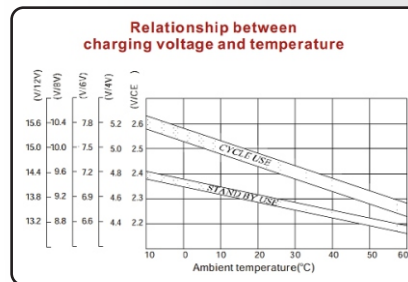
(However it is recommended that the batteries be operated in the temperature range of 20 to 30°C to obtain full life and optimum performance.)

Discharge Constant Current (Amperes at 25°C)

End Point Volts/Cell	15min	30min	1h	3h	5h	10h	20h	100h
1.75V	49.2	34.6	21.9	9.4	6.2	3.7	2	0.46

Discharge Constant Power (Watts at 25°C)

End Point Volts/Cell	15min	30min	1h	3h	5h	10h	20h
1.75V	547	394	252	111	73.6	44.4	24.1



*Although the Catalyst extends battery life at high temperatures it is not expected to change the momentary delivery of the current. The benefit of having the Catalyst in batteries will be shown over time.

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End-to-End Solution Provider of
Industrial Batteries & Energy Storage