VALEN GEL 12V60Ah

12VG60

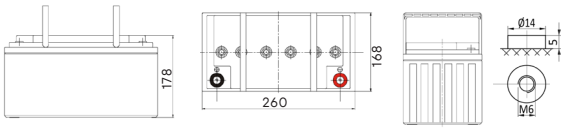
- The Valen Gel range features a rechargeable, deep cycle, Valve Regulated Lead Acid (VRLA) battery. Gel technology varies from its AGM counterpart because the electrolyte is suspended in Thixotropic Silica Gel, unlike the AGM batteries where the electrolyte is suspended in the Absorbent Glass Mat.
- The Valen Gel battery range has met and exceeded all market expectations over the years and continues to prove its excellence thanks to its ability to resist deep discharges and to recover after heavy draining.
- Advanced Thixotropic Silica Gelled Electrolyte with Genuine Gel separators and quality lead plates allow the Valen GEL battery range to offer a 10-year design life
- Maintanence-Free design
- FAA and IATA Approved and is safe for air transportation

VALEN Power

12VG60

BATTERY SPECIFICATIONS

Dimensions



Specifications

Nominals Voltage	12V
Number of Cells	6
Design life	10 years
Normal Capacity 25°	
20 Hr rate (10.5V)	60Ah
10 Hr rate (10.5V)	56.2Ah
5 Hr rate (10.5V)	49Ah
Dimensions	260(L) x 168(W) x 178(H)mm
Weight	20kg
Terminal	M6
Torque Setting	10.5Nm
Charge voltage	Cycle: 14.1 - 14.4V at 25°C Float: 13.5 - 13.8V at 25°C
Internal resistance	8.2mΩ 25°C - Fully charged Battery
Electrolyte	Thixotropic Gel – Sulphuric acid
Operating Temperature	-20°C to +60°C

Discharge Constant Current (Amperes at 25˚C)

End Point Volts / Cell	15 min	30 min	1 hour	3 hour	5 hour	10 hour	20 hour
1.75V	77.3	51	31.4	14.3	9.71	5.62	3.04

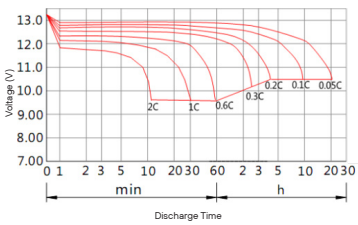
Discharge Constant Power (Watts at 25˚C)

End Point Volts / Cell	15 min	30 min	1 hour	3 hour	5 hour	10 hour	20 hour
1.75V	142	96.3	60.5	27.7	19	11.1	6.07

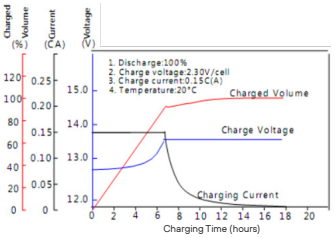
(However it is recommended that the batteries be operated in the temperature range of 20 to 30°C to obtain full life and optimum performance.)

GEL 12V60Ah

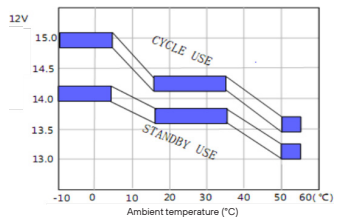
Discharge Characteristic (25°C)



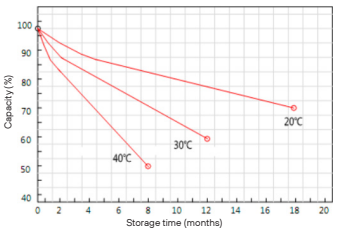
Constant voltage charging characteristic



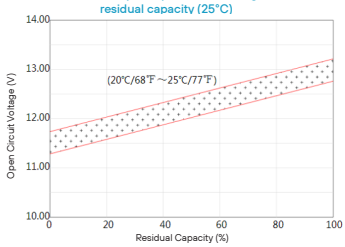
Relationship between charging voltage and temperature



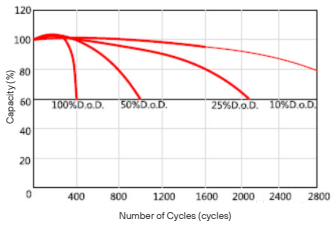
Self-discharge Characteristic



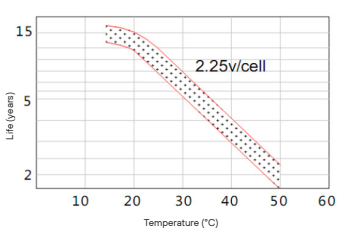
The relationship for open circuit voltage and residual capacity (25°C)



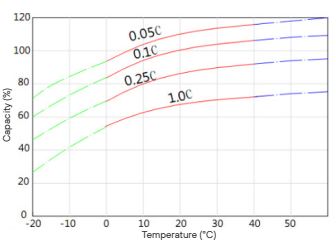
Cycle service life in relation to depth of discharge



Temperature effects on float life



Temperature effects on capacity



Specifications subject to change without notice.

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