

# FORTE 12V100Ah

## 12VF100

- Welcome to one of the newest products of the Valen battery range!
- Hybrid Gel Valve Regulated Lead Acid (VRLA) battery
- Rechargeable, deep cycle and maintenance-free.
- Hybrid Gel battery utilises a combination of AGM separators with liquid Gel Colloidal Silica electrolyte.
- Valen Forte battery technology gives you the best of both worlds; delivering the advantage of increased cycle life similar to that of a Gel battery, with the lower cost advantage of an AGM battery.
- FAA and IATA Approved and is safe for air transportation

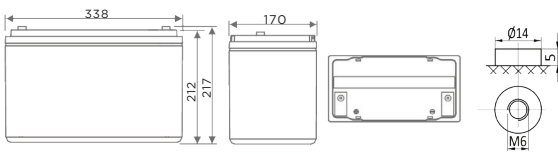




# 12VF100

## BATTERY SPECIFICATIONS

### Dimensions



### Specifications

Nominals Voltage	12V
Number of Cells	6
Design life	10 years
<b>Normal Capacity 25°</b>	
20 Hr rate (10.5V)	103Ah
10 Hr rate (10.5V)	101Ah
5 Hr rate (10.5V)	83Ah
Dimensions	338(L) x 170(W) x 212(H)mm
Weight	34kg
Terminal	Insert - M6
Torque Setting	5.39 Nm
Charge voltage	Cycle: 13.8-14.4V at 25°C Float: 13.5-13.8V at 25°C
Internal resistance	3mΩ 25°C - Fully charged Battery
Electrolyte	Sulphuric acid
Operating Temperature	-20°C to +60°C

#### Discharge Constant Current (Amperes at 25 °C)

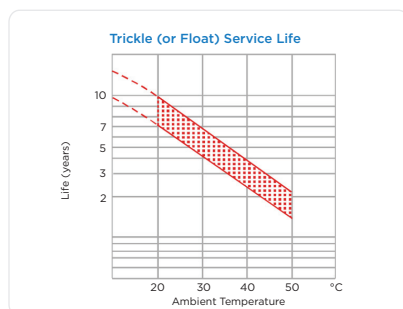
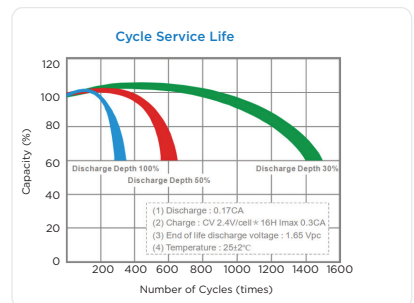
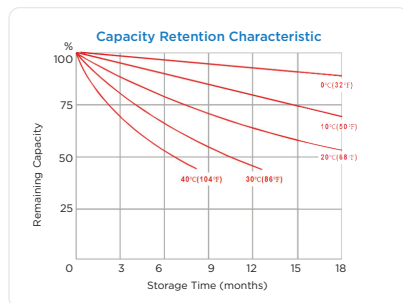
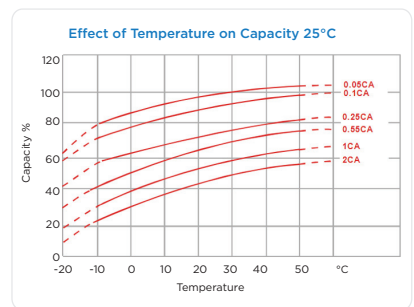
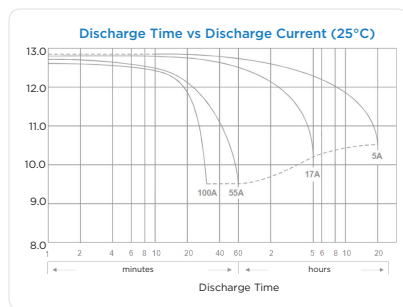
End Point Volts / Cell	15 min	30 min	1 hour	3 hour	5 hour	10 hour	20 hour
1.75V	146	95.2	53.1	23.2	16.5	10.1	5.15

#### 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	283	162	115	49.8	33.3	20.1	10.6

(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.)

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Specifications subject to change without notice.