

# FORTE 12V50Ah

## 12VF50

- 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

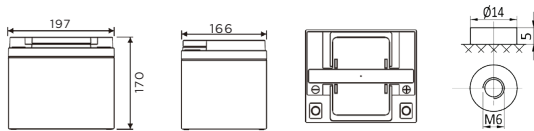




# 12VF50

## 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)	50Ah
10 Hr rate (10.5V)	47.5Ah
5 Hr rate (10.5V)	41.65Ah
Dimensions	197(L) x 166(W) x 170(H)mm
Weight	14.2kg
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	6mΩ 25°C - Fully charged Battery
Electrolyte	Sulphuric acid
Operating Temperature	-20°C to +60°C

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

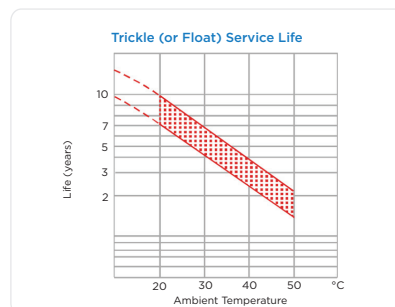
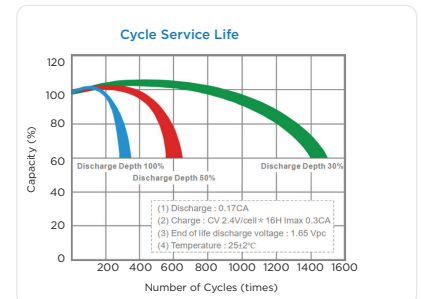
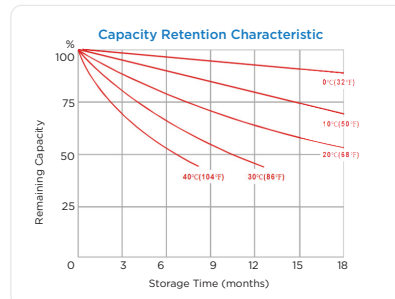
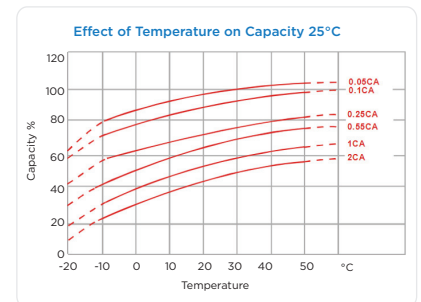
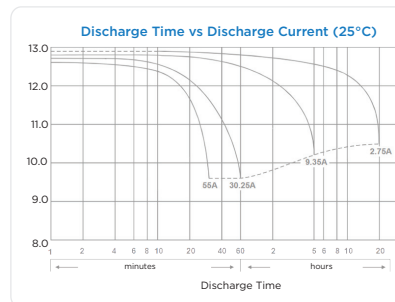
End Point Volts / Cell	15 min	30 min	1 hour	3 hour	5 hour	10 hour	20 hour
1.75V	80.6	47.5	28.1	11.6	8.33	4.75	2.50

#### 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	144	87.5	54.7	22.9	16.7	9.20	4.95

(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.