



# Specification Sheet Ritar Battery - 150Ah12V Ritar Battery - AGM Deep Cycle Maintenance Free Model: FT12-150D



## SPECIFICATIONS:

Technology ..... AGM deep cycle maintenance free

Cells Per Unit..... 6

Voltage Per Unit ..... 12V

Capacity ..... 150Ah@10hr-rate to 1.80V per cell @25deg Celsius

Weight ..... Approx. 43.5 Kg (Tolerance  $\pm 2\%$ )

Max. Discharge Current .. 1500A A (5sec)

Internal Resistance ..... Approx. 4 milliohm ( $m\Omega$ )

Design Life ..... 12 years (floating charge)

Recommended Maximum

Charging Current ..... 45 Amp

Reference Capacity ..... C3---111.9AH

C5---128.5 AH

C10--150.0AH

C20--158.6AH

Cycle Use Voltage ..... 14.6 V~14.8 V @ 25deg Celsius

Temperature Compensation: -4mV/deg Celsius/Cell

Operating

Temperature Range ..... Discharge: -20deg ~ 60deg Celsius

Charge: 0 ~ 50deg Celsius

Storage: -20 ~ 60deg celsius

Normal Operating

Temperature Range ..... 25deg to  $\pm 5$ deg Celsius

Self Discharge ..... RITAR Valve Regulated Lead Acid (VRLA) batteries

can be stored for more than 6 months at 25deg Celsius.

Monthly self-discharge ratio is less than 3% at 25deg Celsius.

Please charge batteries before using.

Container Material ..... A.B.S. UL94-HB, UL94-V0 Optional.

Dimension (mm)..... 565(L) 110(W) 288(H)

Terminal ..... F9

## Application Note:

FTD (Front Terminal Deep Cycle)series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grid, thick plate and special active material are designed for repeated deep-discharge applications. The FTD series battery offers 30% more cyclic life than the standby series. And the dimensions are designed for 19"and 23" cabinet installation. It is suitable for telecom, solar and wind renewable energy storage, mobility and medical equipment, RV, broadband and cable TV, UPS systems etc.