FDC-875
Datasheet

FULBAT™
DEEP CYCLE BATTERY

POLYPROPYLENE

FLOODED

FDC Series are Deep Cycle liquid electrolyte batteries specifically designed for small traction applications (requiring deep discharges). With robust design made of thick positive & negative grid plates in a special alloy, the FDC Series offer low self-discharge and ensure a long service life with high resistance to cycles. This range is ideal for golf cart applications, aerial work platform, cleaning machine, solar.

SPECIFICATIONS

Voltage	Capacity	Reserve capacity
8 V	170 Ah (20hr)	295 min (25A)
	145 Ah (5hr)	75 min (75A)

OPERATING TEMPERATURE

-20°C to 45°C
At temperatures below 0°C maintain a state of charge higher than 60%.

CAPACITY AFFECT BY TEMPERATURE

40°C	105%
30°C	100%
0°C	80%

CHARGE METHOD

Phase 1 (Constant current)
Constant current charge at 17~22.1 amperes until the battery voltage measures between 7.14~7.29 V/Battery(25°C) on charge voltage.

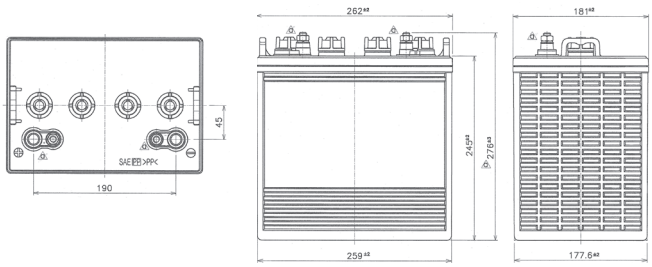
Phase 2 (Constant voltage)
Constant voltage charge at 7.14~7.29 V/Battery(25°C) until the current measures between 2.25~6.75 amperes.

Phase 3 (Constant current)
Constant current charge at 2.25~6.75 amperes until the battery voltage measures between 7.5~8.1 V/battery(25°C) or until dV/dt reaches to less than 0.035.

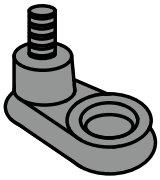
Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.

DIMENSIONS & WEIGHT

Lenght	262±2mm
Width	181±2mm
Total height	278±2mm
Gross weight	28.6kg
Electrolyte	5.8L



TERMINAL



EHPT
(Embedded High Profil Terminal)

Terminal height	38mm
Torque value	11-12mm
Bolt terminal	M8

APPLICATIONS

- Aerial work platform
- Golf cart
- Floor cleaning machine
- Solar

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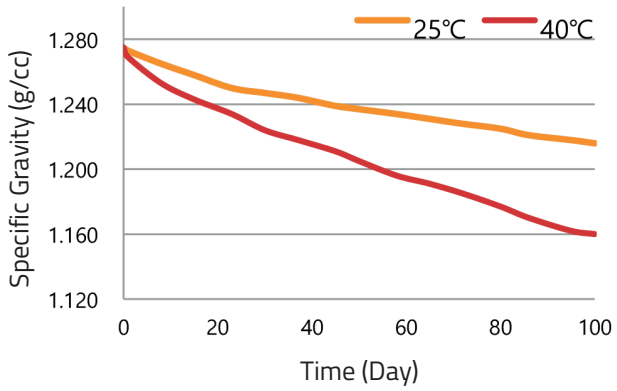
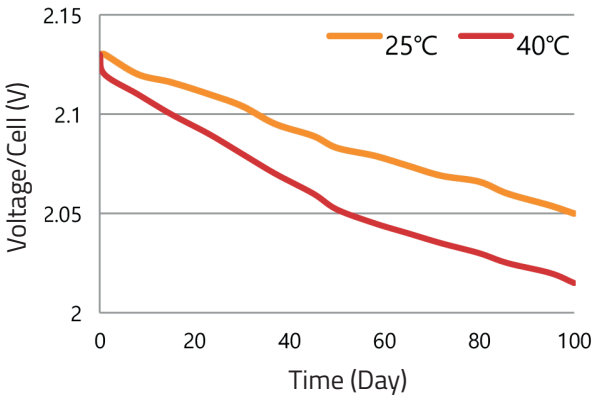
SELF DISCHARGE DATA

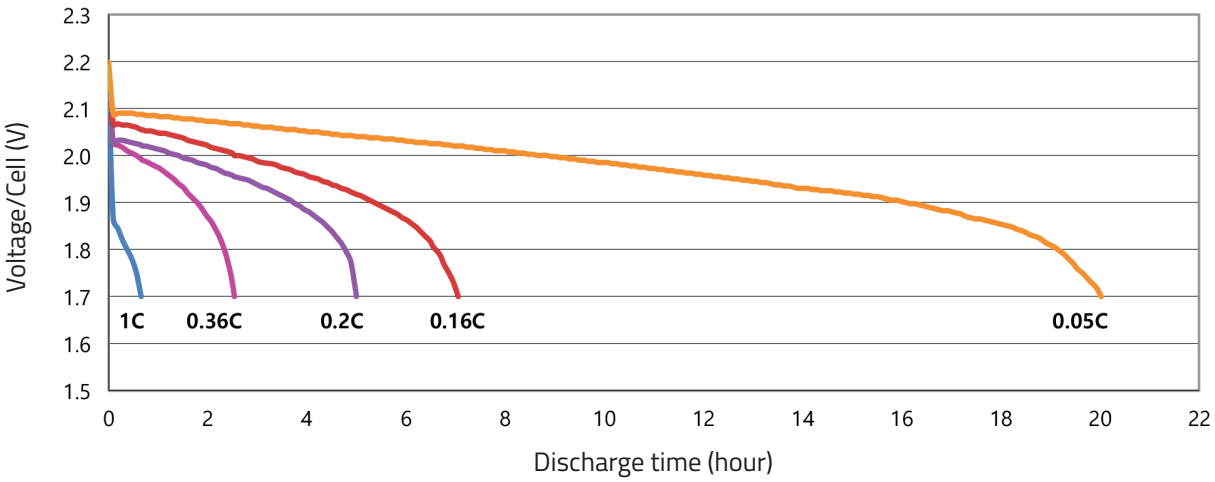
Specific Gravity VS Time



Voltage VS Time



CAPACITY BY DISCHARGE CURRENT



CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE