

GENERAL INFORMATION

6 V 8.5 Ah is a general purpose battery with 3 to 5 years in standby service or more than 400 cycles at 50% depth of discharge in cycle service.

57807 - 6 V 8.5 Ah

SPECIFICATIONS

Nominal Voltage:	6 V
Nominal Capacity (20 hrs):	8.5 Ah
Dimensions	
Total Height:	118 mm ($4\frac{21}{32}$ in.)
Container Height:	118 mm ($4\frac{21}{32}$ in.)
Length:	98 mm ($3\frac{27}{32}$ in.)
Width:	56 mm ($2\frac{7}{32}$ in.)
Weight:	Approx 1.60 Kg (3.52 lbs)
Container Material:	General Grade ABS
Internal Resistance (25 °C, 77 °F):	~18 m Ω
Discharge Capacity Under Different Temperatures	
40 °C:	~102 %
25 °C:	~100 %
0 °C:	~85 %

CHARACTERISTICS

Capacity 25 °C / 77 °C

20 hrs @ 0.425 A:	8.5 Ah
5 hrs @ 1.36 A:	6.8 Ah
1 hrs @ 5.1 A:	5.1 Ah
1 C @ 8.5 A:	4.25 Ah

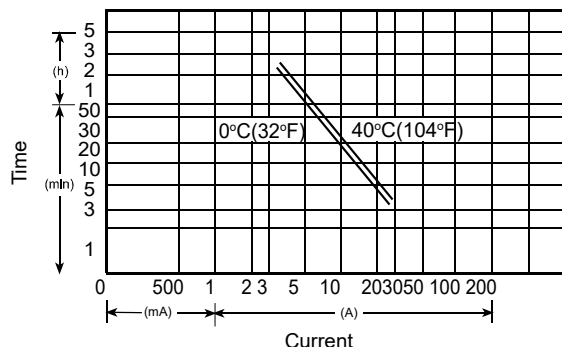
Charging Voltage (25 °C, 77 °F)

Standby Use:	6.825 V $\pm$ 0.075 V
Cycle Use:	7.35 V $\pm$ 0.15 V
Max Discharge Current:	2.55 A
Max Charging Current:	90 A (5 sec)

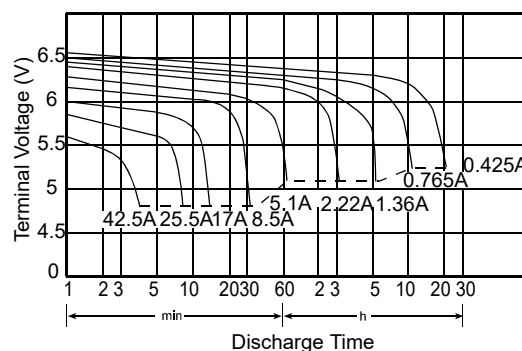
Self-Discharge Residual Capacity (25 °C, 77 °F)

After 3 Months:	~90 %
After 6 Months:	~82 %
After 12 Months:	~70 %

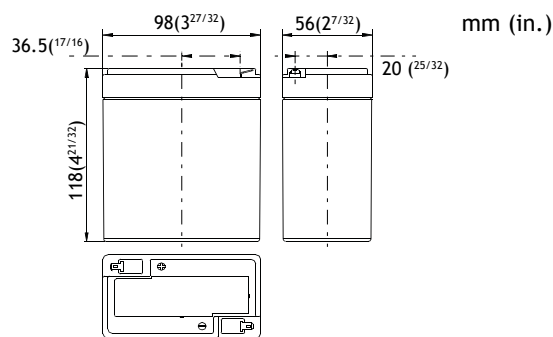
DISCHARGE CURRENT VS TIME



DISCHARGE CHARACTERISTICS 25 °C (77 °F)

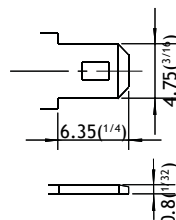


DIMENSIONS



Tolerances are $\pm 1/32$ in. (± 1 mm) and $\pm 3/32$ in. (± 2 mm) for height dimensions.

TERMINAL



Type: FO-01



Data is based upon tests performed in a controlled environment and representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

August 28, 2014

