

GENERAL INFORMATION

12 V 18 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.

57459 - 12V 18 Ah

SPECIFICATIONS

Nominal Voltage:	12 V
Nominal Capacity (20 hrs):	18 Ah
Dimensions	
Total Height:	167 mm (6 ⁹ / ₁₆ in.)
Container Height:	167 mm (6 ⁹ / ₁₆ in.)
Length:	181 mm (7 ¹ / ₈ in.)
Width:	76 mm (3 in.)
Weight:	Approx 5.8 Kg (12.79 lbs)
Container Material:	UL94HB ABS UL94V-0 ABS
Internal Resistance (25 °C, 77 °F):	~13 m Ω
Discharge Capacity Under Different Temperatures	
40 °C:	~102 %
25 °C:	~100 %
0 °C:	~85 %

CHARACTERISTICS

Capacity 25 °C / 77 °C

20 hrs @ 0.9 A:	18.0 Ah
5 hrs @ 2.88 A:	14.4 Ah
1 hrs @ 10.8 A:	10.8 Ah
1 C @ 18 A:	9.0 Ah

Charging Voltage (25 °C, 77 °F)

Standby Use:	13.65 V ± 0.15 V
Cycle Use:	14.7 V ± 0.3 V

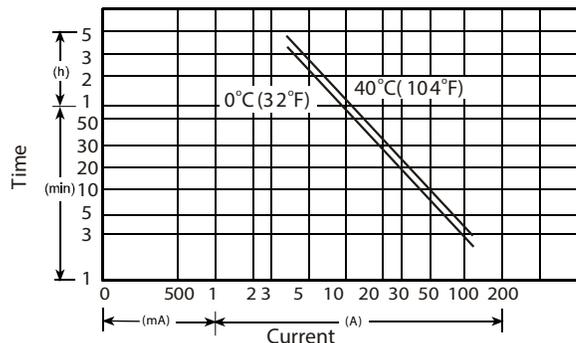
Max Discharge Current: 300 A (5 sec)

Max Charging Current: 5.4 A

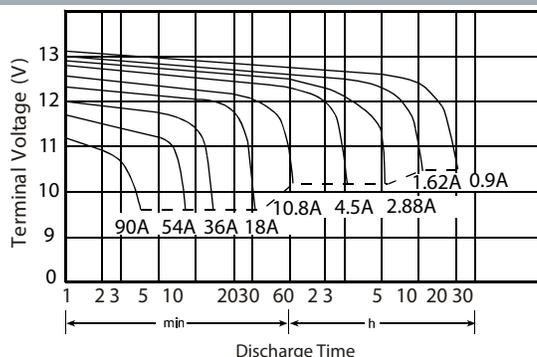
Self-Discharge Residual Capacity (25 °C, 77 °F)

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

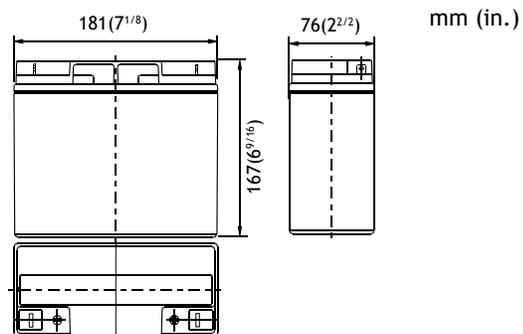
DISCHARGE CURRENT VS TIME



DISCHARGE CHARACTERISTICS 25 °C (77 °F)

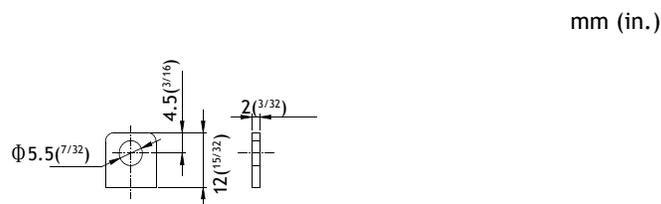


DIMENSIONS



Tolerances are +/-1/32 in. (+/-1mm) and +/-3/32 in. (+/-2mm) for height dimensions.

TERMINAL



Type: FP-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.