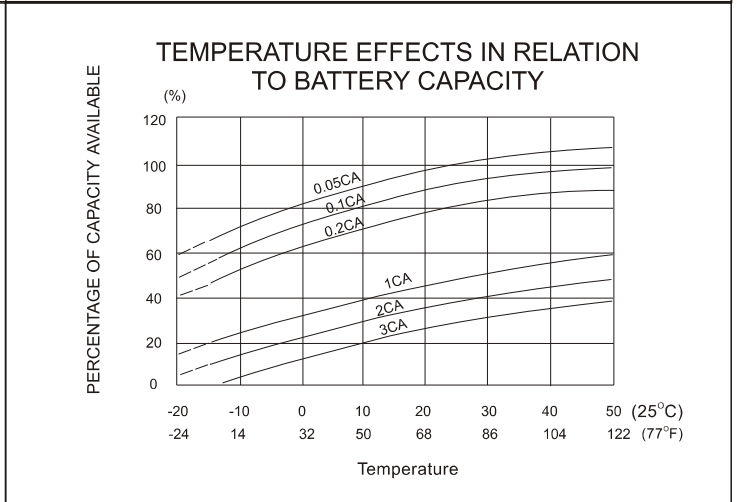
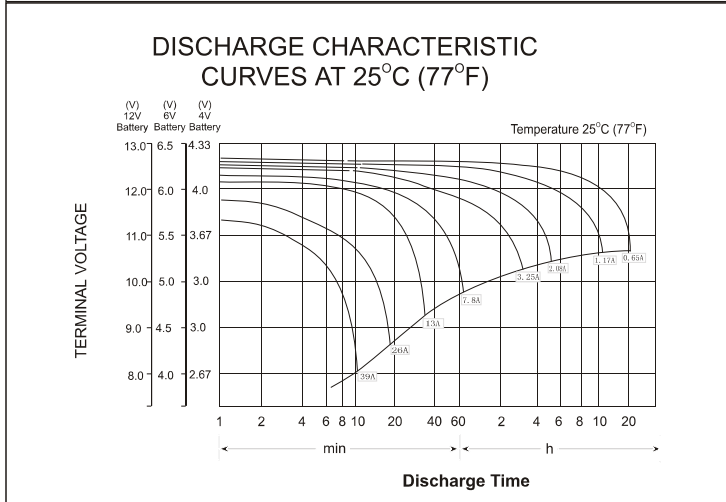


HRL1256W (12V 13.0Ah)

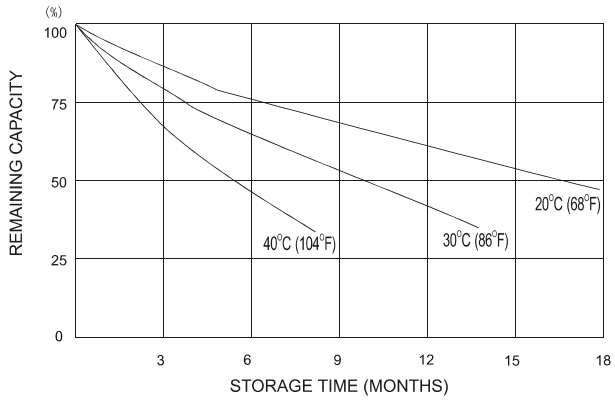
Sealed Rechargeable Lead-acid Battery

Specifications	OPERATING TEMPERATURE RANGE:
NOMINAL VOLTAGE: 12V	CHARGE 5°F to 122°F (-15°C to 50°C) DISCHARGE -4°F to 140°F (-20°C to 60°C)
NOMINAL CAPACITY: 20 hr. rate of 0.65A to 10.5V 13.0 Ah 10 hr. rate of 1.17A to 10.5V 11.7 Ah 5 hr. rate of 2.08A to 10.2V 10.4 Ah 1 hr. rate of 7.80A to 9.60V 7.8 Ah	CHARGE RETENTION (shelf life) at 68°F (20°C): 1 month 97% 3 months 91% 6 months 85%
WEIGHT(approx.): 4.05Kg(8.93lb)	EXPECT LIFE EXPECTANCY STANDBY USE 3 to 5 years
INTERNAL RESISTANCE OF CHARGED BATTERY: 14 mΩ	CYCLE USE (approx.): 100% depth of discharge 200 cycles 50% depth of discharge 550 cycles 30% depth of discharge 1200 cycles
MAXIMUM DISCHARGE CURRENT WITH STANDARD TERMINALS: 130A	SEALED CONSTRUCTION: Can be operated in any position without leakage.
MAXIMUM SHORT-DURATION DISCHARGE CURRENT: 195A	
STANDARD TERMINAL: FO-03	
HOUSING MATERIAL: ABS Resin	

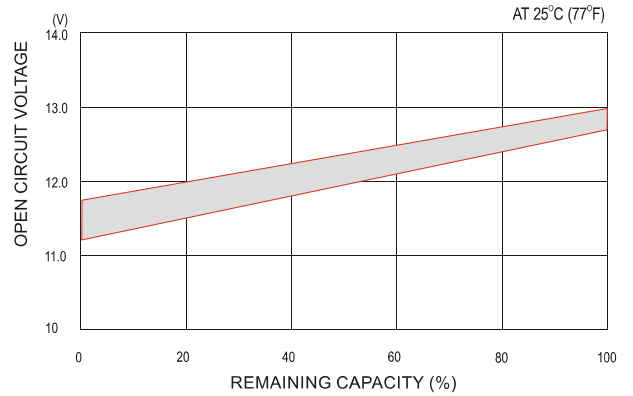
Dimensions	Terminal
<p>151^{+0.13}_{-0.04} (5.95^{+0.04}) 98^{+0.13}_{-0.04} (3.86^{+0.04}) 100^{+0.13}_{-0.04} (3.94^{+0.04}) 94^{+0.13}_{-0.04} (3.70^{+0.04})</p>	Type: FO-02 mm(inch)
	Type: FO-03 mm(inch)



SELF DISCHARGE CHARACTERISTICS

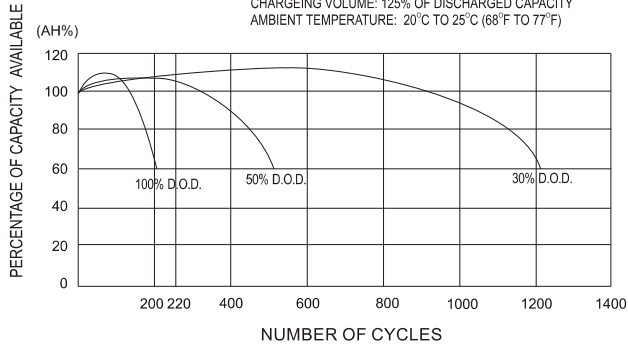


OPEN CIRCUIT VOLTAGE VS REMAINING CAPACITY



CYCLE SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE

TESTING CONDITIONS: DISCHARGE CURRENT: 0.17C AMP. (F.V. 1.7V/CELL)
 CHARGING CURRENT: 0.09C AMP.
 CHARGEING VOLUME: 125% OF DISCHARGED CAPACITY
 AMBIENT TEMPERATURE: 20°C TO 25°C (68°F TO 77°F)



FLOAT SERVICE LIFE

TESTING CONDITIONS: FLOATING VOLTAGE 2.25 TO 2.30V/CELL
 AMBIENT TEMPERA TURE: 20°C TO 22°C (64°F TO 72°F)

