

General Application

12VHC22-SC is specifically designed for deep cycle application with more than 1500 cycles at 30% DOD or 700 cycles at 50% DOD or more than 400 cycles at 100% DOD. Primary applications would be for scooters, Electric Bicycles and Wheelchairs.

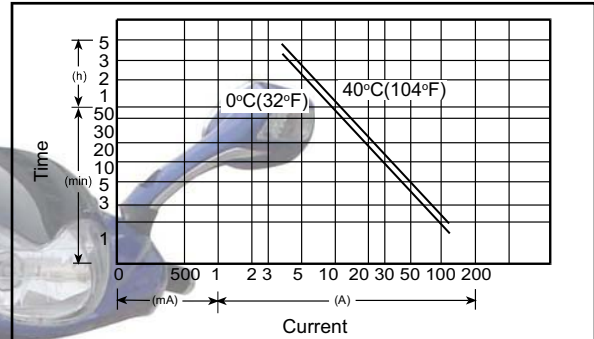
Specification

● NOMINAL VOLTAGE	: 12 V
● NOMINAL CAPACITY(20 hr)	: 22.0 Ah
● DIMENSIONS	
TOTAL HEIGHT	: 167 mm (6.58 inches)
CONTAINER HEIGHT	: 167 mm (6.58 inches)
LENGTH	: 181 mm (7.13 inches)
WIDTH	: 76 mm (2.99 inches)
● WEIGHT	: APPROX 7.0 Kg (15.43 lbs)
● CONTAINER MATERIAL	: UL94HB ABS
	: UL94V-0 ABS
● INTERNAL RESISTANCE(25°C, 77°F)	: ~12.8mΩ
● DISCHARGE CAPACITY UNDER DIFFERENT TEMPERATURES	
40°C	: ~102%
25°C	: ~100%
0 °C	: ~85%

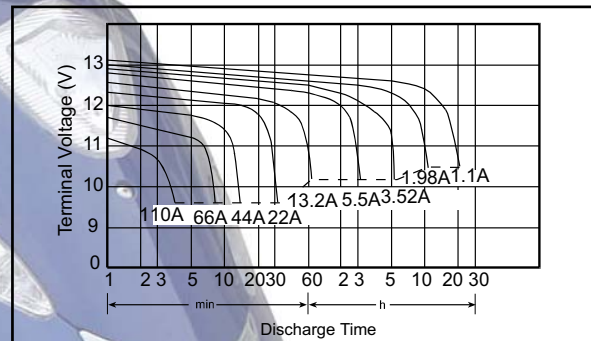
Characteristics

● CAPACITY 25 °C / 77 °F	
20 hr @ 1.1 A	: 22.0 Ah
5 hr @ 3.52A	: 17.6 Ah
1 hr @ 13.2A	: 13.2 Ah
1 C @ 22 A	: 11 Ah
● CHARGING VOLTAGE (25°C , 77 °F)	
STANDBY USE	: 13.65V±0.15V
CYCLE USE	: 14.7V±0.3V
● MAX DISCHARGE CURRENT	: 300 A (5 sec)
● MAX CHARGING CURRENT	: 6.0 A
● SELF-DISCHARGE RESIDUAL CAPACITY(25°C , 77 °F)	
AFTER 3 MONTHS	: ~90%
AFTER 6 MONTHS	: ~82%
AFTER 12 MONTHS	: ~70%

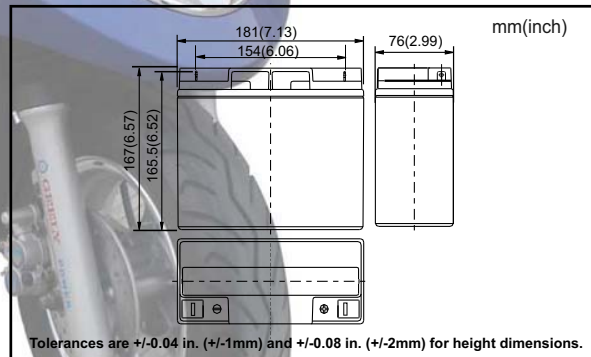
Discharge Current vs Time



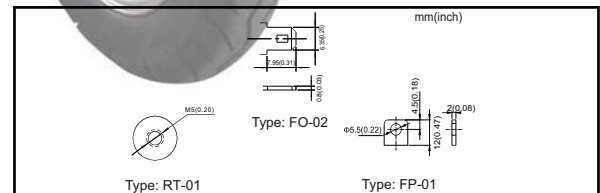
Discharge Characteristics @25 °C (77 °F)



Dimensions



Terminal



12VHC22-SC	25cycles	50cycles	75cycles	100cycles	150cycles	200cycles	250cycles
4A discharge to 1.75V	▪ 300'	▪ 297'	▪ 294'	▪ 288'	▪ 274'	▪ 259'	▪ 236'
6A discharge to 1.75V	▪ 180'	▪ 178'	▪ 174'	▪ 169'	▪ 158'	▪ 146'	▪ 134'