

# SEALED LEAD-ACID BATTERIES



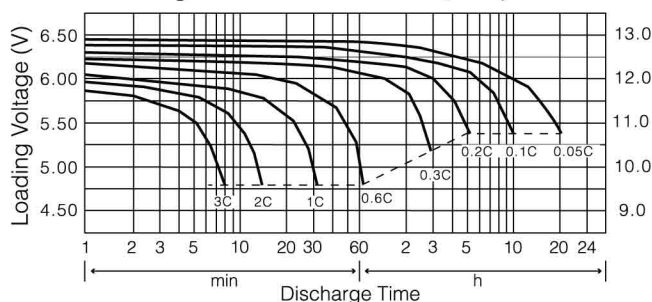
## SPECIFICATION

Nominal Voltage		12v								
Model		7Ah	12Ah	18Ah	24Ah	40Ah	65Ah	100Ah	150Ah	200Ah
Rated Capacity 77°F (25°C)		20HR	20HR	20HR	20HR	10HR	10HR	10HR	10HR	10HR
Dimensions (mm)	Length	151	151	181	181	197	355	330	485	522
	Width	65	98	77	77	165	167	171	172	238
	Height	95	95	167	171	170	179	220	240	218
	Total Height	101	101	167	171	170	183	227	240	236
Approx. Weight (kg/lbs)		2.0	3.27	4.9	6.9	12.6	19.5	28	41.8	55
Terminal		T1/T2	T1/T2	T3	T2	T4/T11	T5/T12	T6/T12	T9/T13	T9/T13

## CHARACTERISTIC

Nominal Voltage		12v								
Model		7Ah	12Ah	18Ah	24Ah	40Ah	65Ah	100Ah	150Ah	200Ah
Internal Resistance (Full Charged Battery) @ 77°F(25°C)		≈ 22mΩ	≈ 18mΩ	≈ 18mΩ	≈ 14mΩ	≈ 9.5mΩ	≈ 6mΩ	≈ 5mΩ	≈ 3.8mΩ	≈ 3.5mΩ
Temperature dependence of capacity (10 HR)	104°F(40°C)	102%								
	77°F(25°C)	100%								
	32°F(0°C)	85%								
	5°F(-15°C)	65%								
Self-Discharge 68°F(20°C) (Capacity after)	3 months	90%								
	6 months	80%								
	12 months	60%								
Max. Discharge Current, 77°F(25°C)		105A (5s)	180A (5s)	270A (5s)	360A (5s)	320A (5s)	520A (5s)	800A (5s)	1200A (5s)	1600A (5s)
Floating design life, 77°F(25°C)		5 years								
Constant Voltage Charge, 77°F(25°C)	Cycle 14.4~14.7(-24mV/°C)	max. current 2.1 A	max. current 3.6 A	max. current 5.4 A	max. current 7.2 A	max. current 10 A	max. current 16.25 A	max. current 25 A	max. current 37.5 A	max. current 50 A
	Float	13.6 ~ 13.8 ( -18mV/°C)								

Discharge Characteristics 77°F (25°C)



Cycle service life in relation to depth of discharge

