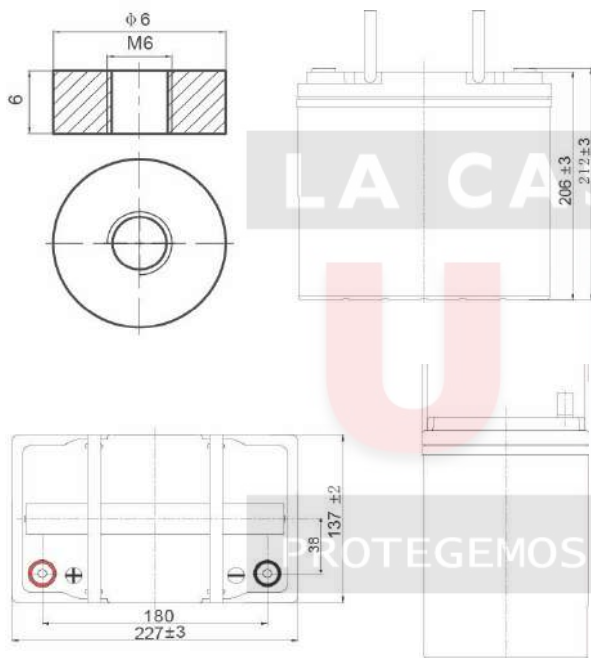


● Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		55Ah
Dimensions	Length	22 7.0±2mm (8.94 ")
	Width	13 7±2mm (5.16 ")
	Height	17 1.0±2mm (6.46 ")
	Total Height	17 1.0±2mm (6.57 ")
Approx. Weight		13.2 Kg (23.6 lbs)



● Dimensiones (mm)



● Characteristics

Capacity (25°C)	20HR(10.5V)	55 Ah
	10HR(10.5V)	38A h
	1HR(9.60V)	11Ah
Terminal type		T6M8
Internal resistance (Fully charged,25°C)		Approx 5m Ω
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3month	Remaining Capacity:91%
	6month	Remaining Capacity:82%
	12month	Remaining Capacity:65%
Nominal operating temperature		25°C ±3°C(77°F ±5°F)
Operating temperature range	Discharge	-15°C~50°C(5°F~122°F)
	Charge	-15-40°C (5-104°F)
	Storage	-15-40°C (5-104°F)
Float charging voltage(25°C)		13.5V to 13.8 V Temperature compensation: -20mV/°C
Cyclic charging voltage(25°C)		14.4V to 15.00V Temperature compensation: -30mV/°C
Maximum charging current		12.0 A
Maximum discharge current		800A (5 sec.)
Designed floating life(20°C)		4 years

● Construction

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	Sulfuric acid	Rubber	Copper

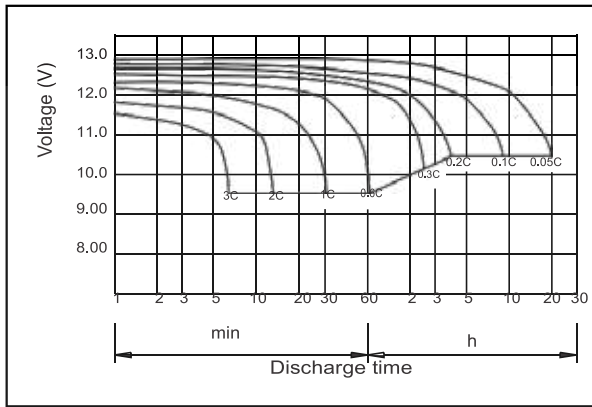
● Constant Current Discharge Characteristics Unit:A(25°C,77°F)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	68.8	43.6	34.0	19.2	11.8	6.45	4.46	3.69	3.14	1.70	0.91
9.90V	66.7	42.3	33.2	18.8	11.6	6.41	4.44	3.67	3.12	1.70	0.91
10.2V	63.9	40.5	32.0	18.2	11.3	6.35	4.40	3.64	3.10	1.69	0.91
10.5V	61.2	38.8	30.9	17.8	11.1	6.26	4.37	3.62	3.08	1.68	0.90
10.8V	57.8	36.6	29.3	17.1	10.8	6.10	4.24	3.51	2.99	1.65	0.88

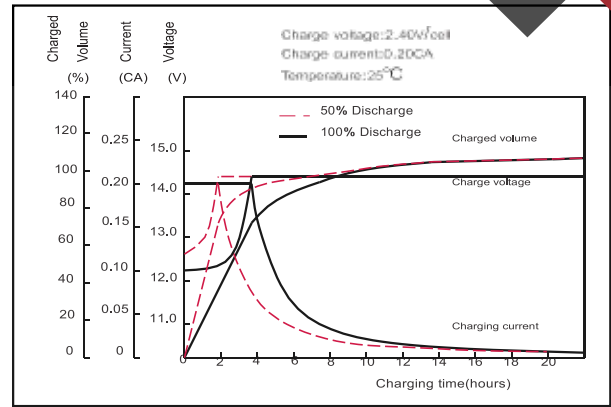
● Constant Power Discharge Characteristics Unit:W(25°C,77°F)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	767	491	388	220	137	75.5	53.0	44.0	37.5	20.5	11.0
9.90V	744	477	379	215	134	75.0	52.7	43.7	37.3	20.4	10.9
10.2V	714	457	365	209	131	74.3	52.3	43.4	37.0	20.3	10.9
10.5V	683	437	352	204	128	73.2	52.0	43.1	36.8	20.2	10.8
10.8V	645	413	334	196	125	71.4	50.4	41.8	35.6	19.7	10.6

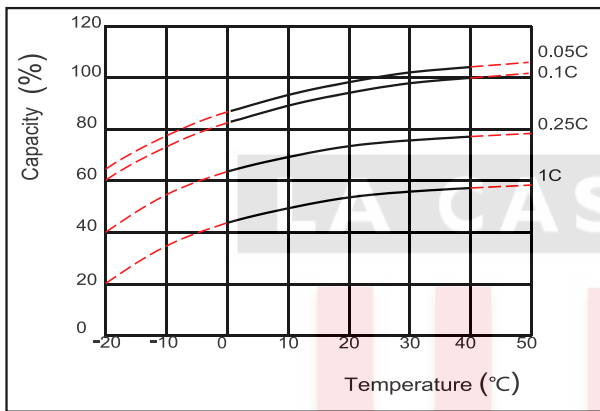
● Discharge characteristics (25°C)



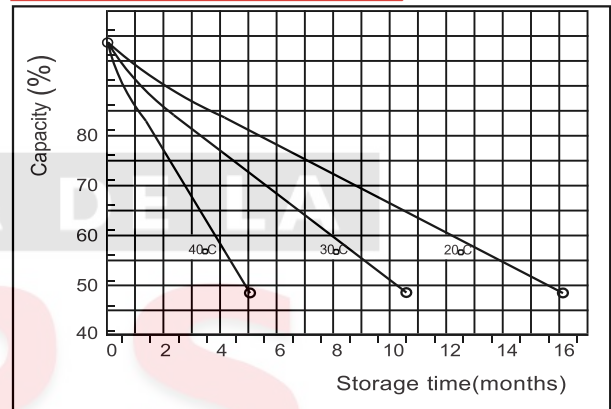
● Charging characteristics (25°C)



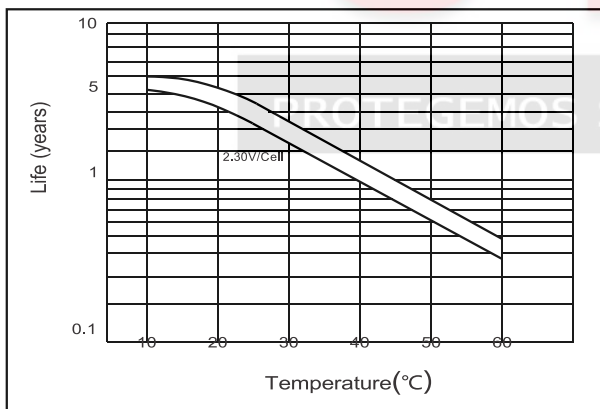
● Effect of temperature on capacity



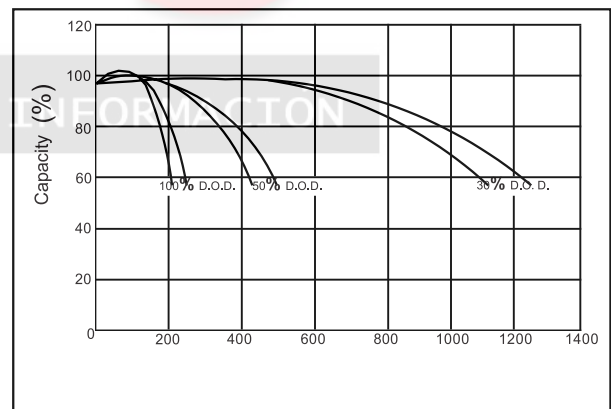
● Self-discharge characteristics



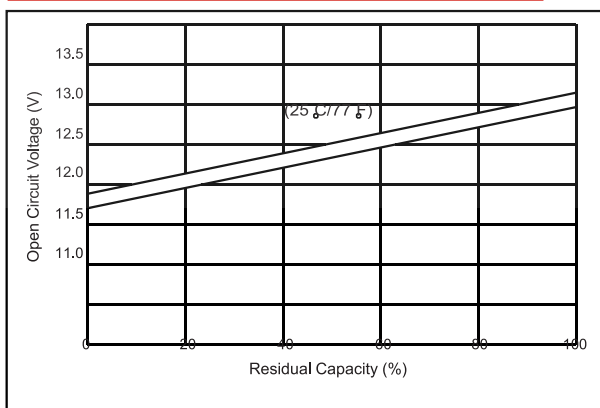
● Floating life on temperature



● Cycle life on D.O.D (25°C)



● The relationship for OCV and Capacity (25°C)



● The relationship for Charging voltage and Temperature

