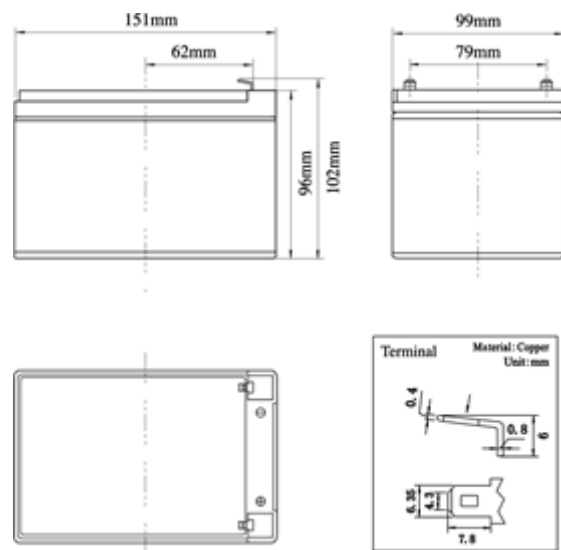


CHARACTERISTICS

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		13.0Ah
Capacity 25°C	10 hour rate (9.0A)	12.3Ah
	5 hour rate (15.9A)	11.5Ah
	1 hour rate (55.4A)	8.52Ah
Internal Resistance		Full Charged Battery 25°C ≤15mΩ
Capacity affected by Temperature (10 hour)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-Discharge 25°C Capacity	after 3 month storage	90%
	after 6 month storage	80%
	after 12 month storage	62%
Charge (Constant Voltage) 25°C	Float	Initial Charging Current Less than 3.9A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 3.9A Voltage 14.4-15.0V

PACKAGING

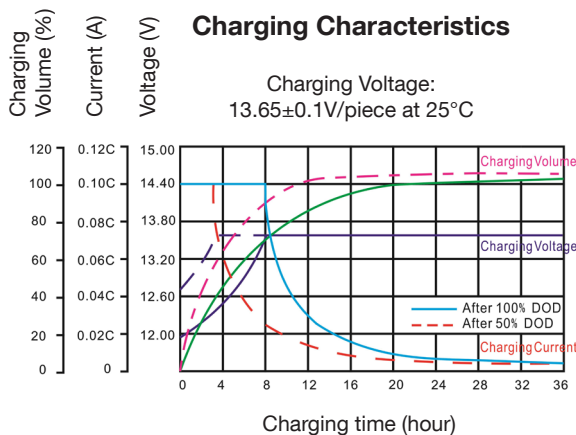
Battery Dimensions	Length	151mm
	Width	99mm
	Height	96mm
	Total Height	102mm
Quantity Per Box	4 pcs per box	
Net weight Per Box	14.8kg	
Gross Weight	15.2kg	



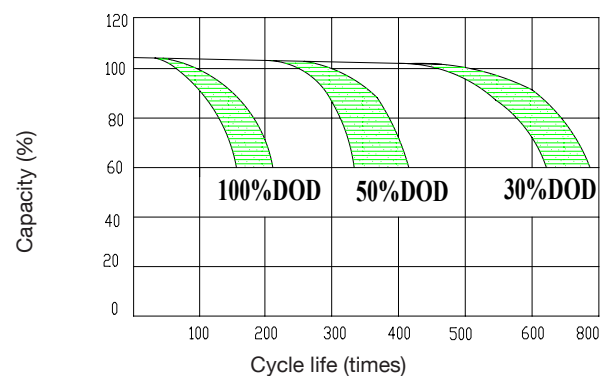
Discharge Constant Current per Cell (Amperes at 25°C)

F.V/Time	30min	1h	2h	5h	10h	20h
1.60V	14.20	8.52	5.32	2.43	1.35	0.71
1.65V	13.94	8.37	5.23	2.39	1.33	0.69
1.70V	13.69	8.21	5.13	2.34	1.30	0.69
1.75V	13.43	8.06	5.04	2.30	1.28	0.67
1.80V	12.91	7.75	4.84	2.21	1.23	0.65

PERFORMANCE CHARACTERISTICS

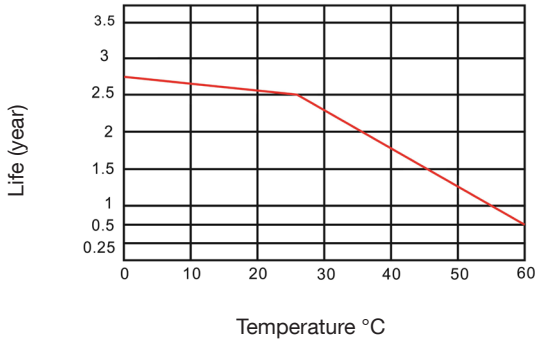


Cycle life Vs Depth of discharge (25°C)

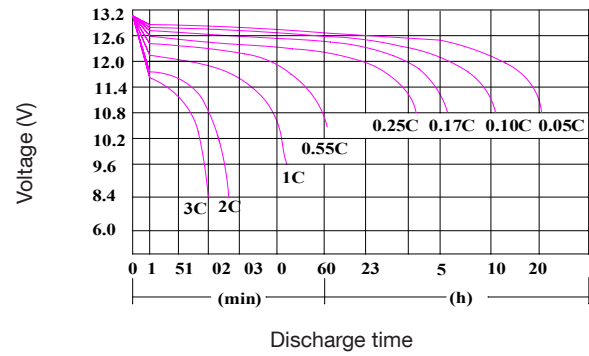


Temperature effect on designed float life

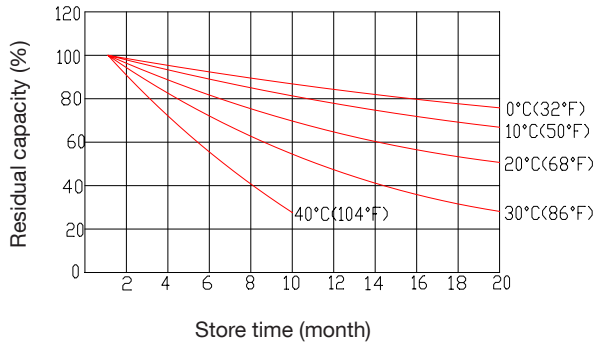
Float charging Voltage:
13.65±0.01V/piece at 25°C



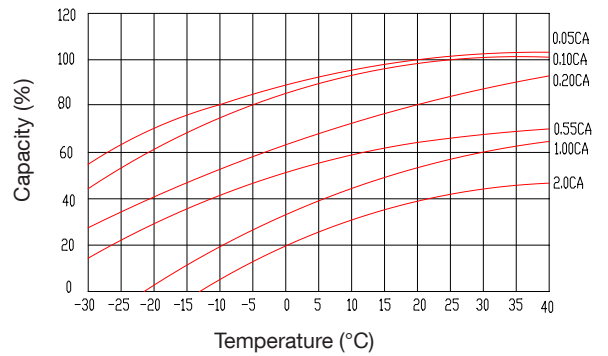
Discharge characteristics (25°C)



Temperature effect on battery self-discharge



Temperature effect on capacity



BATTERY CONSTRUCTION								
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Si-Rubber	Copper	Fiberglass	Sulfuric acid