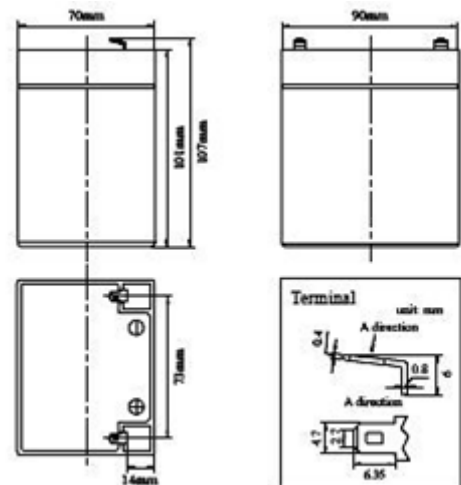


CHARACTERISTICS		
Nominal Voltage		12V
Nominal Capacity (20 hour rate)		5Ah
Capacity 25°C	10 hour rate (9.0A)	4.8Ah
	5 hour rate (15.9A)	4.45Ah
	1 hour rate (55.4A)	3.3Ah
Internal Resistance	Full Charged Battery 25°C	≤30mΩ
Capacity affected by Temperature (10 hour)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	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 1.5A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 1.5A Voltage 14.4-15.0V



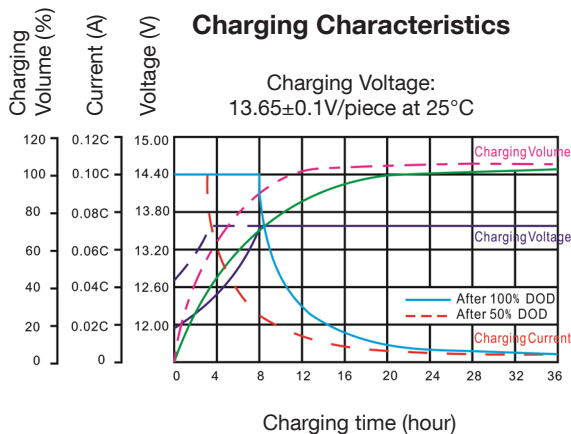
PACKAGING		
Battery Dimensions	Length	90mm
	Width	70mm
	Height	101mm
	Total Height	107mm
Quantity Per Box	10 pcs per box	
Net weight Per Box	15.8kg	
Gross Weight	16.3kg	



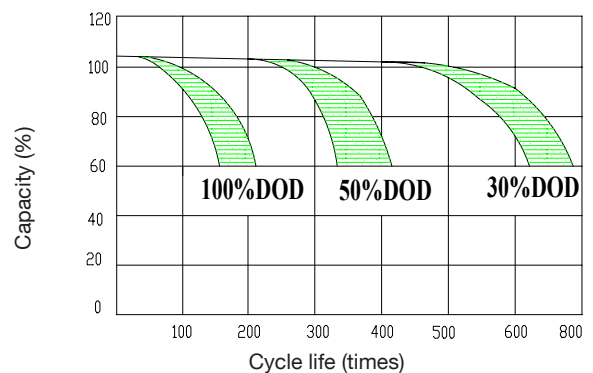
### Discharge Constant Current per Cell (Amperes at 25°C)

F.V/Time	30min	1h	2h	5h	10h	20h
1.60V	5.50	3.30	2.06	0.94	0.52	0.28
1.65V	5.40	3.24	2.03	0.93	0.51	0.27
1.70V	5.30	3.18	1.99	0.91	0.50	0.27
1.75V	5.20	3.12	1.95	0.89	0.49	0.26
1.80V	5.00	3.00	1.88	0.86	0.48	0.25

### PERFORMANCE CHARACTERISTICS

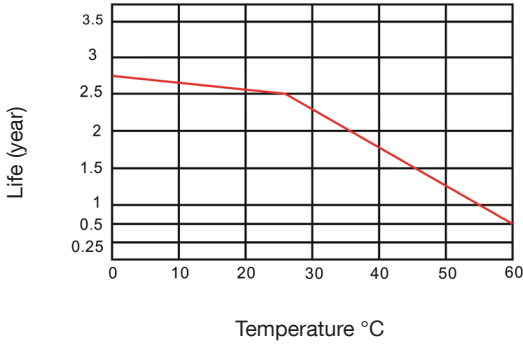


### Cycle life Vs Depth of discharge (25°C)

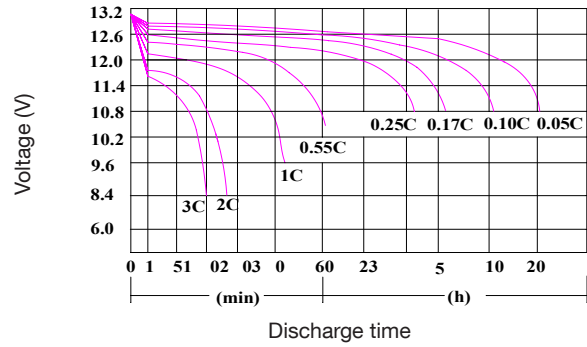


**Temperature effect on designed float life**

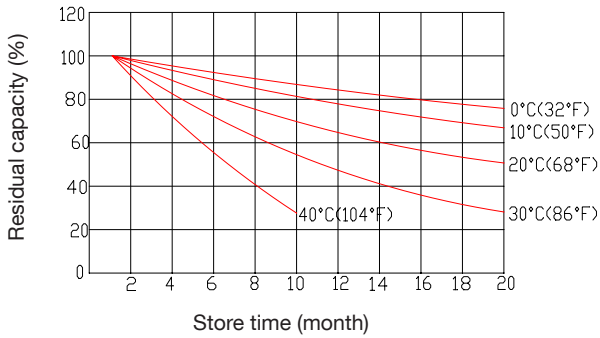
Float charging Voltage:  
13.65±0.01V/piece at 25°C



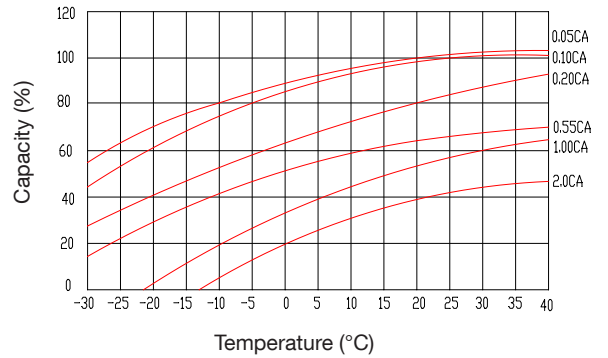
**Discharge characteristics (25°C)**



**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