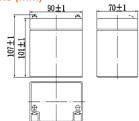


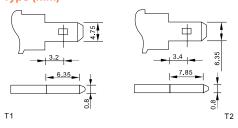
Specifications

Nominal Voltage	12V							
Rated capacity (10 ho	5Ah							
Dimensions	Length	90± 1 mm(3.54inch)						
	Width	70± 1 mm(2.76inch)						
	Height	101 ± 1 mm(3.98inch)						
	Total Height	107± 1 mm(4.21 inch)						
Approx. Weight	16.5kg(36.3lbs)±3%							

Outer dimensions (mm)



Terminal Type (mm)



Characteristics

	10HR(5Ah				
Capacity (25°C)	3HR(1	4.7Ah				
	1HR(1	3Ah				
	Terminal type		T1/T2			
Interna! res	sistance (Fully char	ged,25°C)	Approx.27m Ω			
_	40°C	102	2%			
Capacity affected by	25°C	100%				
temperature (10HR)	0°C	85	5%			
(IOI III)	-15°C	65	5%			
	3 months	Remaining Capacity:91 %				
Self-discharge (25°C)	6 months	Remaining Capacity:82%				
(1 1)	12 months	Remaining Capacity:65%				
Nominal operation	ng temperature	25°C ±3°C(77°F ±5°F)				
Operating	Discharge	-15°C-50°C(5°F-122°F)				
temperature	Charge	-10°C-50°C(14°F-122°F)				
range	Storage	-20°C-50°C(-4°F-122°F)				
Float charging	voltage(25°C)	13.50 to 13.80V Temperature compensation: -18mV/ °C				
Cyclic charging	voltage(25°C)	14.50 to 15.00V Temperature compensation: -30mV/°C				
Maximum cha	rging current	1.5A				
Maximum disc	harge current	75A(5 sec.)				
Designed float	ting life(20°C)	5 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)

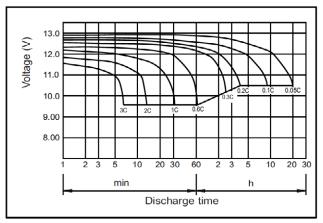
F.V/Time	5min	10min	15min	30min	60min	2h	Jh	4h	5h	10h	20h
9.60V	19.1	12.1	9.45	5.33	3.28	1.79	1.24	1.03	0.87	0.47	0.25
9.90V	18.5	11.7	9.22	5.22	3.23	1.78	1.23	1.02	0.87	0.47	0.25
10.2V	17.8	11.3	8.88	5.06	3.14	1.77	1.22	1.01	0.86	0.47	0.25
10.5V	17.0	10.8	8.58	4.94	3.08	1.74	1.22	1.01	0.86	0.47	0.25
10.8V	16.0	10.2	8.13	4.76	2.99	1.69	1.18	0.97	0.83	0.46	0.25

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

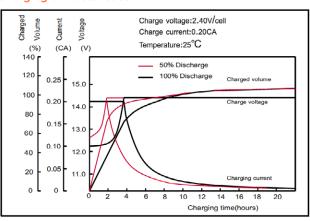
F.V/Time	5min	10min	15min	30min	60min	2h	Jh	4h	5h	10h	20h
9.60V	213	136	108	61.0	37.9	21.0	14.7	12.2	10.4	5.68	3.05
9.90V	207	132	105	59.8	37.4	20.8	14.6	12.1	10.4	5.66	3.03
10.2V	198	127	101	58.0	36.4	20.7	14.5	12.1	10.3	5.63	3.02
10.5V	190	121	97.8	56.6	35.7	20.3	14.4	12.0	10.2	5.60	3.00
10.8V	179	115	92.6	54.5	34.6	19.8	14.0	11.6	9.90	5.49	2.94

Note: The above characteristics data can be obtained within three charge or discharge cycles.

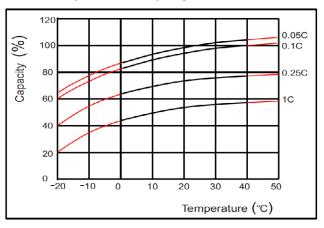
Discharge characteristics(25°C)



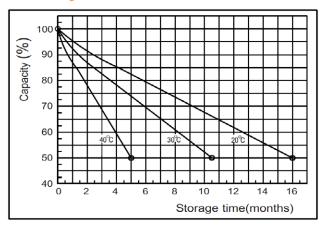
Charging characteristics



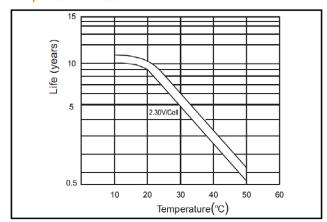
Effect of Temperature on Capacity



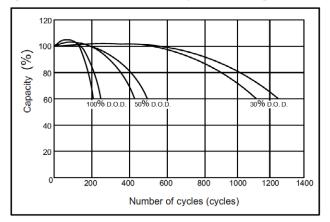
Self-discharge characteristics



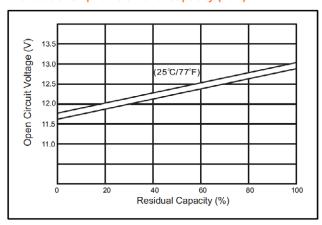
Temperature effects on float life



Cycle service life in relation to depth of discharge



The relationship for OCV and Capacity (25't)



The relationship for Charging voltage and Temperature

