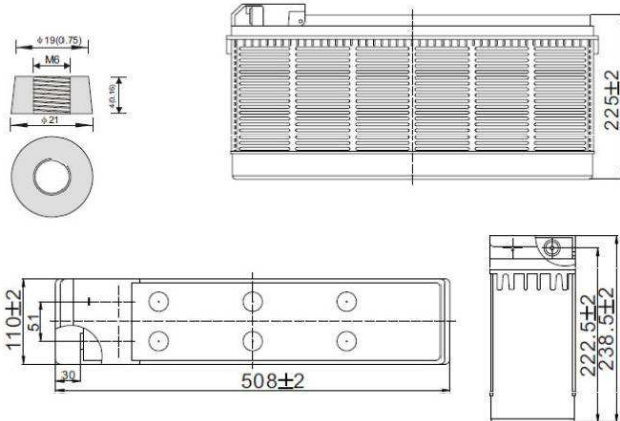


# AT OGiV121000FT (12V 100Ah Front Terminal)

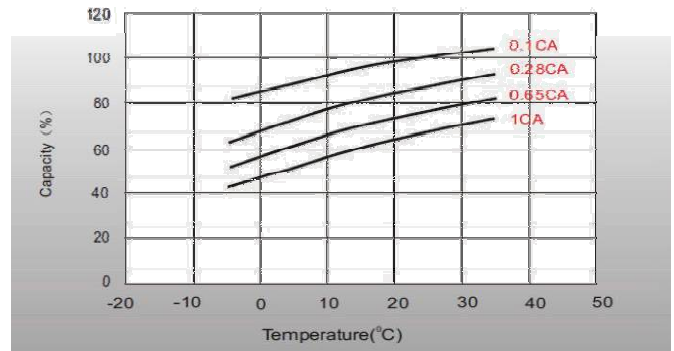
Floating Life at 20°C designed for 10-12 years

EAN: 4260123689537

## Dimensions



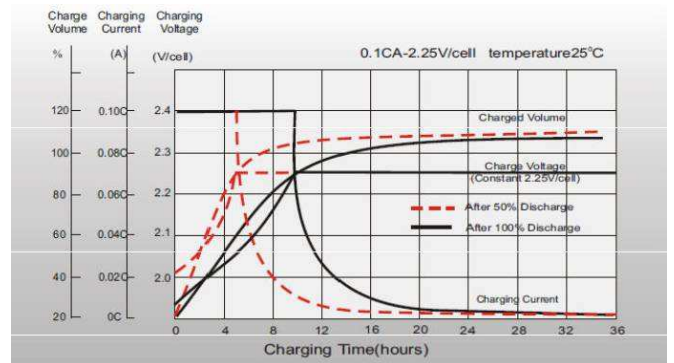
## Temperature Effects in Relation to Battery Capacity



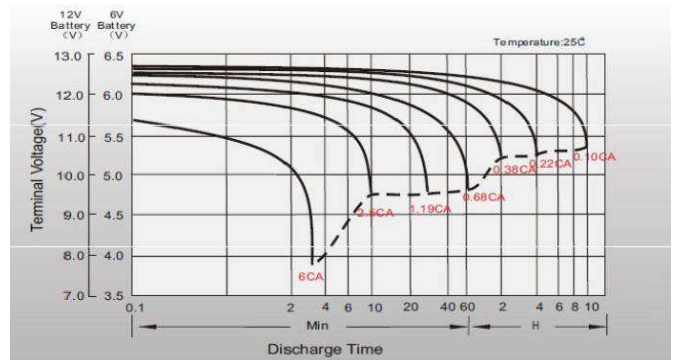
## Specifications

Nominal Voltage		12V
Capacity (10hr @ 25°C @ 1.80V/C)		100Ah
Dimensions	Length	508mm (20.0inch)
	Width	110mm (4.33inch)
	Height	238mm (9.39inch)
	Total Height	238mm (9.39inch)
Approx. Weight		35.0kg (77.2lbs)
Maximum charging current		30A
Maximum discharge current		1000A (5sec.)
Internal resistance		Approx. 4.3mΩ
Capacity affected by temperature (20hr)	40°C	103%
	25°C	100%
	0°C	86%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C ±3°C (77°F ±5°F)
Operating temperature range		-20°C ~ 55°C (-4°F ~ 131°F)
Float charging voltage (25°C)		13.65 to 13.80V
Cyclic charging voltage (25°C)		14.40 to 15.00V
Terminal material		Copper

## Float Charging Characteristics



## Discharge Characteristics



## Constant Current Discharge Characteristics (Ampere / Battery, 25°C)

F.V/ TIME	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
11.1V	150,1	132,0	118,3	96,9	74,7	60,4	35,2	25,8	20,7	17,3	15,0	11,9	9,92	5,26
10.8V	174,4	152,4	132,0	104,2	79,0	63,2	36,5	26,7	21,3	17,8	15,4	12,3	10,4	5,50
10.5V	192,4	164,0	140,8	108,4	81,5	65,1	37,3	27,1	21,6	18,1	15,6	12,5	10,5	5,55
10.2V	204,9	171,9	146,4	112,1	83,0	66,1	37,8	27,5	21,9	18,2	15,8	12,7	10,6	5,59
9.90V	214,2	177,7	149,5	114,4	84,8	67,5	38,4	27,7	22,1	18,5	16,0	12,8	10,7	5,62
9.60V	223,6	182,7	153,8	116,7	86,1	68,5	38,8	28,1	22,3	18,8	16,2	12,9	10,8	5,65

## Constant Power Discharge Characteristics (Watt / Battery, 25°C)

F.V/ TIME	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
11.1V	1681,8	1494,0	1352,4	1120,2	871,2	706,2	414,6	304,8	244,8	205,8	178,8	142,8	118,8	63,0
10.8V	1930,8	1701,6	1487,4	1186,2	913,8	735,0	426,6	313,8	250,8	211,2	183,0	147,0	124,2	66,0
10.5V	2097,0	1809,0	1570,2	1223,4	933,6	753,6	435,0	317,4	253,8	213,0	184,8	148,8	125,4	66,6
10.2V	2182,8	1869,6	1620,6	1258,2	947,4	763,2	439,8	321,0	256,2	214,2	186,6	150,6	126,6	66,6
9.90V	2273,4	1924,8	1648,8	1281,6	964,8	777,0	445,2	323,4	258,6	217,2	188,4	151,8	127,8	67,2
9.60V	2307,0	1939,8	1672,8	1290,0	968,4	781,2	446,4	325,2	259,8	219,6	190,8	153,0	128,4	67,2