

RPower RB121000FT (12V 100Ah Pure Lead)

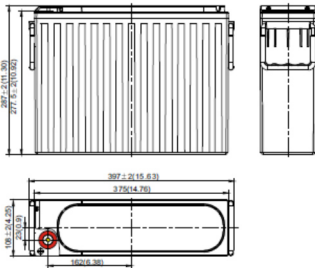
with Central Degassing

Floating Life at 20°C designed for 20 years

EAN: 4260123689995

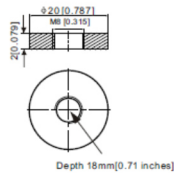
Dimensions

Unit: mm [inches]

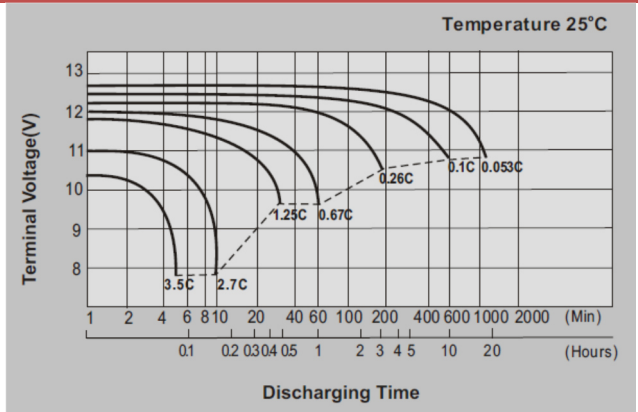


Terminal Model: T11

Unit: mm [inches]



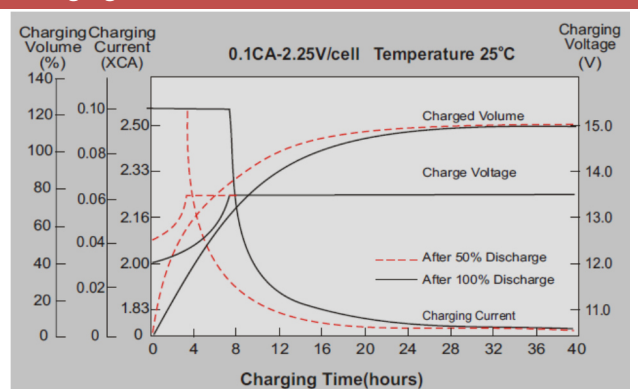
Discharge Characteristics



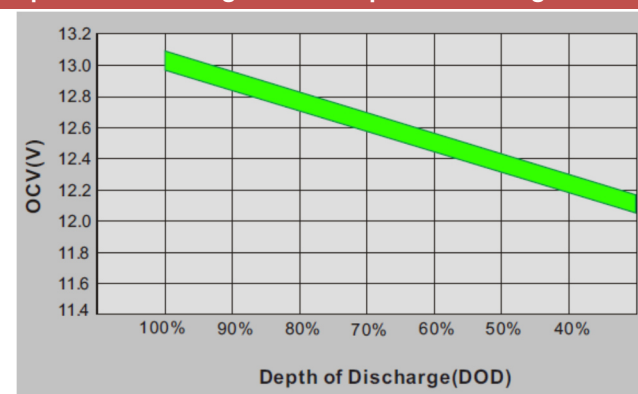
Specifications

Nominal Voltage		12V
Capacity (10hr@25°C@1.8V/C)		100Ah
Dimensions	Length	397mm (15.63inch)
	Width	108mm (4.25inch)
	Height	287mm (11.30inch)
	Total Height	287mm (11.30inch)
Approx. Weight		31.0kg (68.2lbs)
Maximum charging current		30A
Maximum discharge current		1200A (5sec.)
Internal resistance		Approx. 4.5mΩ
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)		13.50V
Terminal material		Copper

Charging Characteristics



Open Circuit Voltage vs The Depth of Discharge



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

F.V/ TIME	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
11.1V	180,9	152,1	131,3	99,6	72,7	56,7	31,9	23,6	19,5	16,6	11,7	9,79	5,10
10.8V	203,3	170,1	141,4	105,2	75,9	59,5	33,4	24,8	20,3	17,1	11,9	10,0	5,20
10.5V	221,2	179,3	147,8	108,3	77,7	60,9	34,4	25,5	20,7	17,4	12,0	10,1	5,26
10.2V	236,2	189,6	155,2	112,2	79,6	62,2	35,0	26,0	21,0	17,7	12,2	10,1	5,30
9.90V	251,7	199,2	162,3	116,6	82,4	64,1	35,9	26,6	21,5	18,0	12,3	10,2	5,35
9.60V	265,8	208,4	168,9	120,4	84,8	65,8	37,0	27,2	21,9	18,3	12,5	10,3	5,39

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

F.V/ TIME	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
11.1V	2058,6	1742,4	1516,2	1164,0	861,0	675,0	382,8	283,8	235,2	201,0	141,6	119,4	62,4
10.8V	2284,8	1926,6	1616,4	1221,0	895,2	703,8	398,4	297,0	243,6	207,0	144,0	121,8	63,6
10.5V	2452,2	2011,8	1675,8	1246,2	910,2	717,0	408,0	304,2	248,4	209,4	145,2	122,4	64,2
10.2V	2582,4	2101,2	1742,4	1281,0	927,0	727,8	413,4	309,0	250,8	211,8	146,4	122,4	64,2
9.90V	2721,6	2186,4	1806,6	1324,8	953,4	746,4	422,4	315,0	255,6	214,8	148,2	123,0	64,8
9.60V	2823,0	2251,2	1852,8	1352,4	972,0	758,4	431,4	319,2	259,2	217,2	149,4	123,0	64,8

Valid from 12-2014