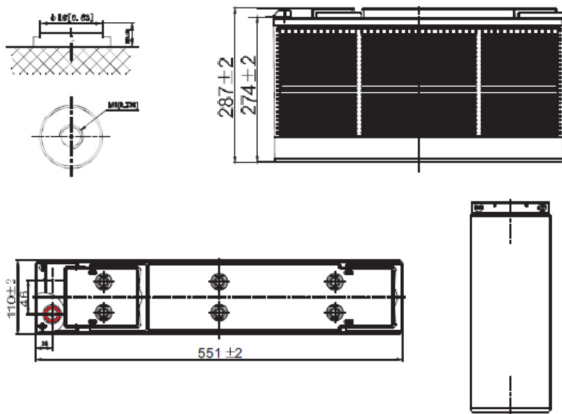


RPower OPzV121000FT (12V 100Ah Tubular GEL FT)

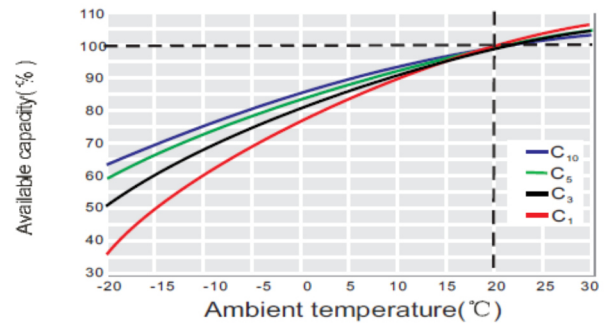
Floating Life at 20°C designed for 18 years

EAN: 4260349823050

Dimensions



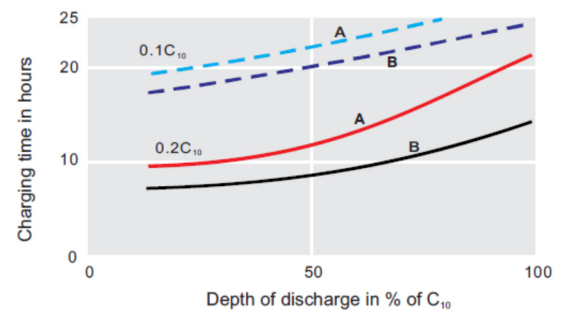
Temperature Effects in Relation to Battery Capacity



Specifications

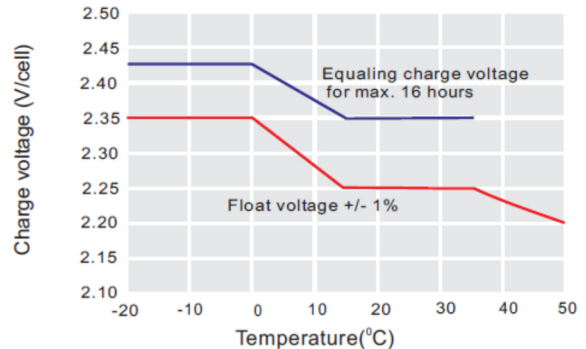
Nominal Voltage		12V
Capacity (10hr@25°C@1.80V/C)		100Ah
Dimensions	Length	551mm (21.7inch)
	Width	110mm (4.33inch)
	Height	287mm (11.30inch)
	Total Height	287mm (11.30inch)
Approx. Weight		39.0kg (86.0lbs)
Maximum charging current		20.0A
Maximum discharge current		800A (5sec.)
Internal resistance		Approx. 6.5mΩ
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)		13.65 to 13.80V
Cyclic charging voltage (25°C)		14.40 to 15.00V
Terminal material		Copper

Charging Characteristics



Charge voltage:
A—2.25 V/cell B—2.40 V/cell
--- State of charge 100 % --- State of charge 90 %

Discharge Characteristics



For continuous charging we recommend a voltage of 2.25 V.
The charging voltage must be compensated to the curve for a continuously different battery ambient temperature.

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

F.V/ TIME	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
11.1V	63,6	54,8	46,5	29,5	22,5	18,6	16,1	11,3	9,57	5,12
10.8V	71,4	59,9	51,0	31,9	24,1	19,7	16,9	11,8	10,0	5,35
10.5V	76,8	64,5	54,3	33,5	25,2	20,7	17,5	12,1	10,2	5,46
10.2V	82,2	67,6	57,4	34,7	26,2	21,4	18,0	12,3	10,3	5,53
9.90V	86,0	70,4	59,3	35,9	27,1	21,9	18,4	12,5	10,5	5,59
9.60V	89,2	72,4	61,1	37,1	27,7	22,4	18,8	12,7	10,7	5,65

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

F.V/ TIME	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
11.1V	734,4	637,8	543,0	345,6	264,0	219,6	190,2	134,4	114,6	61,2
10.8V	817,8	691,2	592,8	372,6	282,0	232,2	199,2	140,4	119,4	64,2
10.5V	871,8	739,8	627,6	390,0	295,2	242,4	206,4	144,0	121,8	65,4
10.2V	924,6	769,2	660,0	402,0	304,8	249,6	211,2	146,4	123,0	66,0
9.90V	957,6	796,2	678,0	413,4	314,4	255,0	215,4	148,2	124,8	66,6
9.60V	983,4	812,4	694,8	425,4	319,8	259,8	219,6	150,6	126,6	67,2