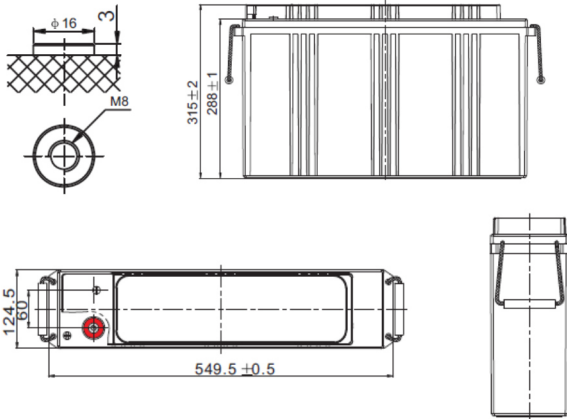


RPower OPzV121500FT (12V 150Ah Tubular GEL FT)

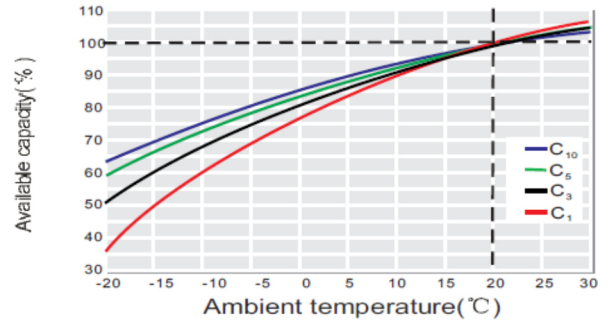
Floating Life at 20°C designed for 18 years

EAN: 4260349823074

Dimensions



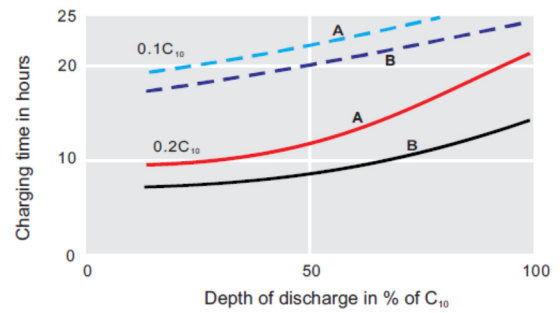
Temperature Effects in Relation to Battery Capacity



Specifications

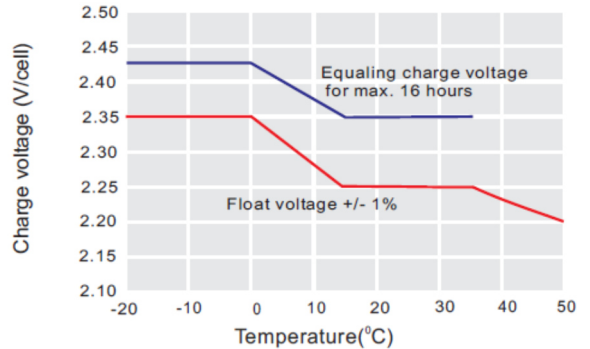
Nominal Voltage		12V
Capacity (10hr@25°C@1.80V/C)		150Ah
Dimensions	Length	550mm (21.6inch)
	Width	125mm (4.90inch)
	Height	315mm (12.40inch)
	Total Height	315mm (12.40inch)
Approx. Weight		53.0kg (116.9lbs)
Maximum charging current		30.0A
Maximum discharge current		1200A (5sec.)
Internal resistance		Approx. 5.0mΩ
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 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	95,4	82,2	69,7	44,2	33,7	27,9	24,1	16,9	14,4	7,68
10.8V	107,1	89,8	76,5	47,9	36,1	29,6	25,3	17,7	15,0	8,03
10.5V	115,2	96,8	81,5	50,3	37,9	31,0	26,3	18,2	15,3	8,18
10.2V	123,3	101,4	86,1	52,1	39,3	32,0	27,0	18,5	15,5	8,29
9.90V	129,0	105,6	89,0	53,9	40,7	32,8	27,6	18,8	15,7	8,39
9.60V	133,8	108,6	91,7	55,7	41,6	33,6	28,2	19,1	16,0	8,48

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

F.V/ TIME	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
11.1V	1101,6	956,4	814,8	519,0	396,6	329,4	285,6	201,6	171,6	91,8
10.8V	1227,0	1036,8	889,2	558,6	423,0	348,0	298,8	211,2	179,4	96,0
10.5V	1307,4	1110,0	942,0	584,4	442,2	363,0	309,6	216,0	182,4	97,8
10.2V	1387,2	1154,4	990,0	603,0	457,2	374,4	316,8	219,6	184,8	99,0
9.90V	1436,4	1194,0	1016,4	620,4	471,6	382,2	323,4	222,6	187,2	100,2
9.60V	1475,4	1218,6	1042,2	637,8	480,0	390,0	328,8	225,6	189,6	100,8

Valid from 12-2014