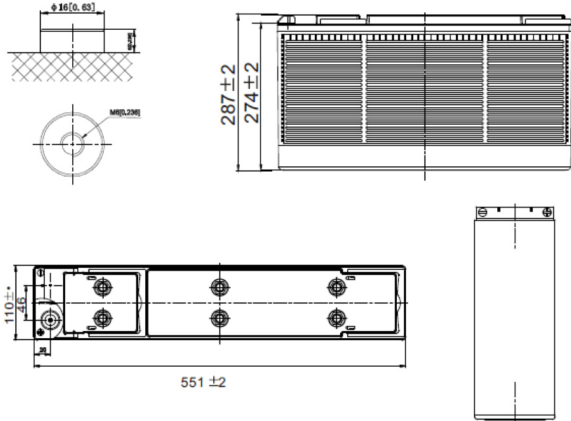


# RPower GELoGiV121450FT (12V 144Ah GEL Front Terminal)

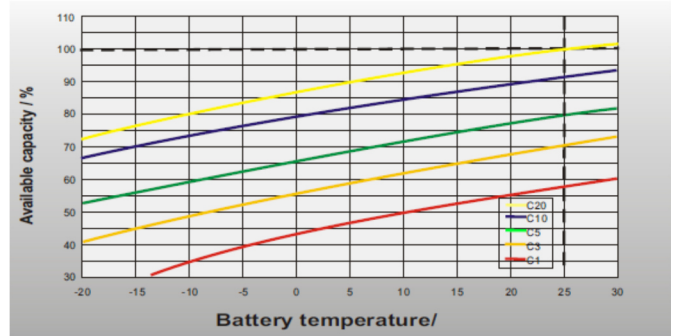
Floating Life at 20°C designed for 12+ years

EAN: 426034982282

## Dimensions



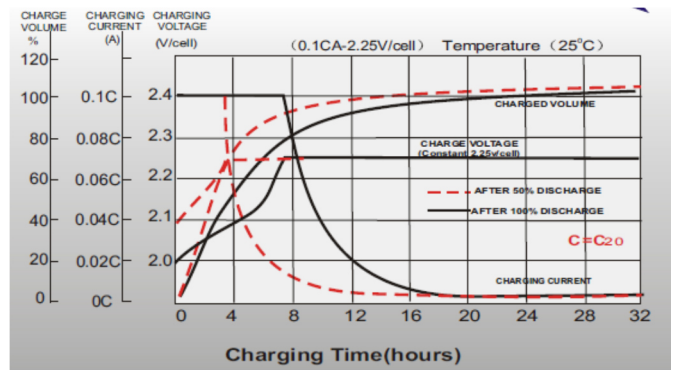
## Temperature Effects in Relation to Battery Capacity



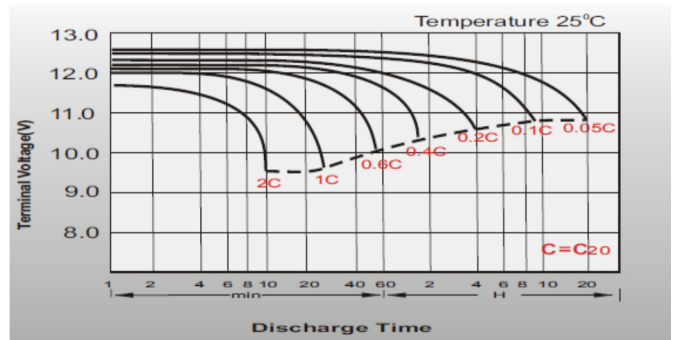
## Specifications

Nominal Voltage		12V
Capacity (20hr@25°C@1.80V/C)		144Ah
Dimensions	Length	551mm (21.7inch)
	Width	110mm (4.33inch)
	Height	287mm (11.30inch)
	Total Height	287mm (11.30inch)
Approx. Weight		47.4kg (104.5lbs)
Maximum charging current		36A
Maximum discharge current		1.500A (5sec.)
Internal resistance		Approx. 3.5mΩ
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

## Float Charging Characteristics



## Discharge Characteristics



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

F.V/ TIME	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
11.1V	113,4	89,0	67,9	56,9	39,9	30,4	25,2	21,8	18,7	16,6	15,0	13,7	12,9	6,91
10.8V	129,9	99,5	74,9	62,8	43,2	32,6	26,7	22,9	19,7	17,4	15,7	14,4	13,5	7,20
10.5V	146,0	109,4	81,0	67,2	45,8	34,5	28,0	23,76	20,4	18,0	16,2	14,8	13,8	7,34
10.2V	157,3	117,2	86,0	71,1	48,6	35,9	28,9	24,5	21,1	18,6	16,7	15,2	14,1	7,44
9.90V	163,7	121,8	89,0	73,7	49,8	37,0	29,6	25,0	21,4	18,8	16,9	15,4	14,3	7,51
9.60V	177,4	130,3	95,6	78,3	51,8	38,5	30,7	25,8	21,9	19,2	17,2	15,7	14,5	7,62

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

F.V/ TIME	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
11.1V	1302,6	1029,6	790,20	664,20	468,60	357,60	297,60	258,00	222,60	197,40	178,80	163,20	154,80	82,80
10.8V	1472,4	1139,4	863,40	729,60	504,00	382,20	314,40	270,00	232,80	206,40	186,60	171,60	161,40	85,80
10.5V	1636,8	1239,6	925,20	777,00	532,80	402,60	328,20	279,00	240,00	213,00	192,00	176,40	164,40	87,60
10.2V	1744,2	1318,2	978,60	818,40	562,20	418,20	337,80	287,40	248,40	219,60	197,40	180,60	168,00	88,80
9.90V	1794,6	1351,2	1004,4	843,00	574,20	429,60	345,00	292,20	251,40	222,00	200,40	183,00	169,80	89,40
9.60V	1923,6	1437,6	1073,4	890,40	594,00	444,60	357,00	300,00	256,80	226,20	203,40	186,60	172,80	90,60