

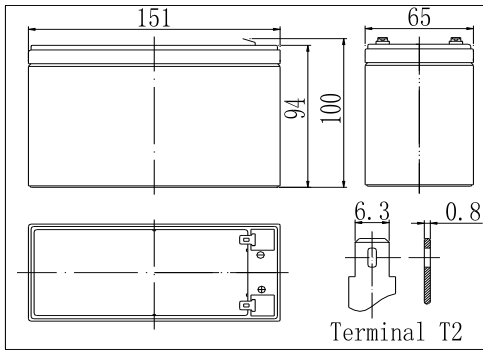
# RPower GiV1270VP (12V 7Ah AGM Battery)

VdS No. G116001

EAN: 4260349823494

Floating Life at 20°C designed for up to 5 years

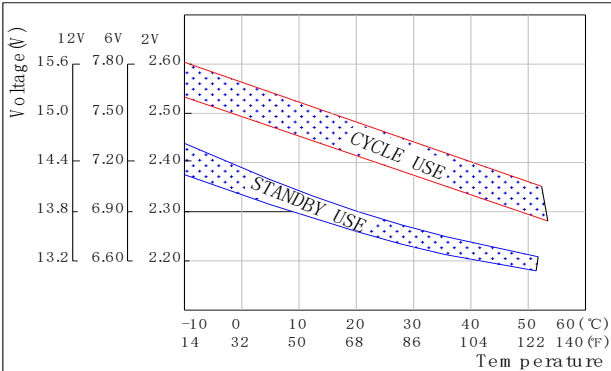
## Dimensions



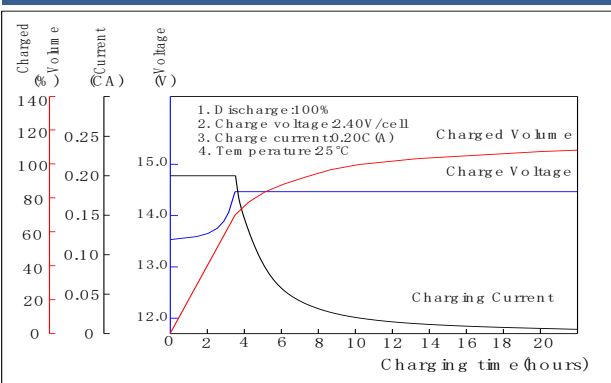
## Specifications

Nominal Voltage		12V
Capacity (20hr@25°C@1.8V/C)		7Ah
Dimensions (±2mm)	Length	151mm (5.94inch)
	Width	65mm (2.56inch)
	Height	94mm (3.70inch)
	Total Height	100mm (3.94inch)
Approx. Weight		2.19kg (4.83lbs)
Maximum charging current		2.88A
Maximum discharge current		105A (5sec.)
Internal resistance		Approx. 22mΩ
Capacity affected by temperature (20hr)	40°C	102%
	25°C	100%
	0°C	85%
	-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~50°C (-4°F~122°F)
Float charging voltage (25°C)		13.65 to 13.80V
Cyclic charging voltage (25°C)		14.40 to 15.00V
Terminal material		Copper

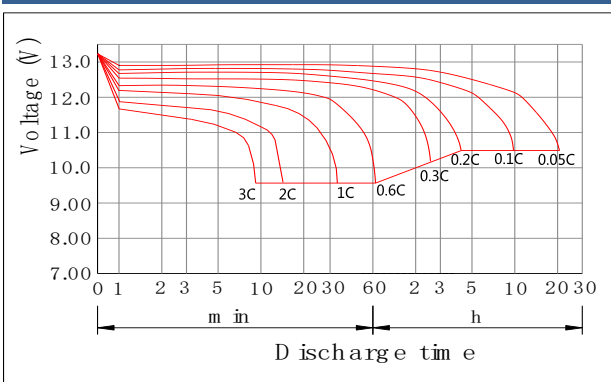
## The Relationship for Charging Voltage and Temperature



## Charging Characteristics (25°C)



## Discharge Characteristics (25°C)



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

FV / TIME	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
10.98V	22,09	14,22	11,80	9,17	6,81	4,82	3,85	2,12	1,57	1,27	1,06	0,94	0,77	0,66	0,34
10.80V	23,50	15,10	12,50	9,69	7,18	5,05	4,04	2,21	1,64	1,32	1,10	0,97	0,79	0,67	0,35
10.50V	25,20	16,00	13,20	10,21	7,56	5,31	4,25	2,28	1,69	1,34	1,12	1,00	0,81	0,69	0,36
10.20V	26,80	17,00	13,90	10,61	7,86	5,55	4,44	2,38	1,76	1,39	1,16	1,02	0,83	0,70	0,37
9.90V	28,40	17,90	14,60	11,00	8,15	5,79	4,63	2,46	1,82	1,44	1,20	1,02	0,83	0,70	0,38
9.60V	30,00	18,80	15,30	11,48	8,50	6,00	4,80	2,54	1,88	1,50	1,25	1,03	0,84	0,71	0,38

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

FV / TIME	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
10.98V	243,08	161,65	134,80	104,53	75,08	57,22	45,17	25,15	18,82	15,05	12,68	11,20	9,16	7,80	4,07
10.80V	258,60	171,60	142,80	110,50	79,20	60,00	47,40	26,30	19,62	15,68	13,14	11,54	9,39	7,96	4,16
10.50V	273,60	182,40	148,80	116,35	82,20	62,40	49,68	27,10	20,28	15,97	13,50	11,89	9,67	8,20	4,28
10.20V	288,60	193,20	155,40	120,97	85,80	64,80	51,18	28,23	20,94	16,54	13,80	12,06	9,81	8,32	4,40
9.90V	304,20	204,00	162,00	125,43	89,40	67,80	53,40	29,19	21,54	17,11	14,04	12,06	9,81	8,32	4,51
9.60V	319,80	214,80	168,60	130,82	93,00	70,80	55,80	30,15	22,08	17,82	14,28	12,23	9,95	8,43	4,51