

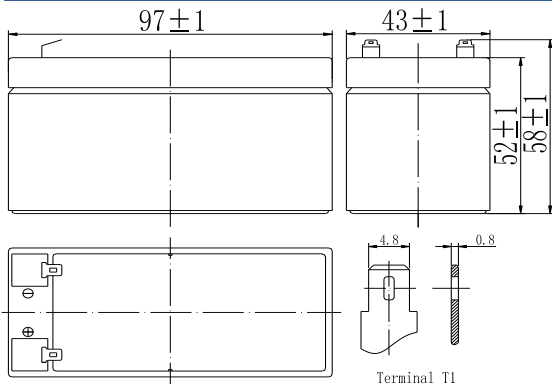
# RPower VDS12-1,2 (12V 1.2Ah AGM Battery)

VdS No. G117041

EAN: 4260349822602

Floating Life at 20°C designed for up to 6 years

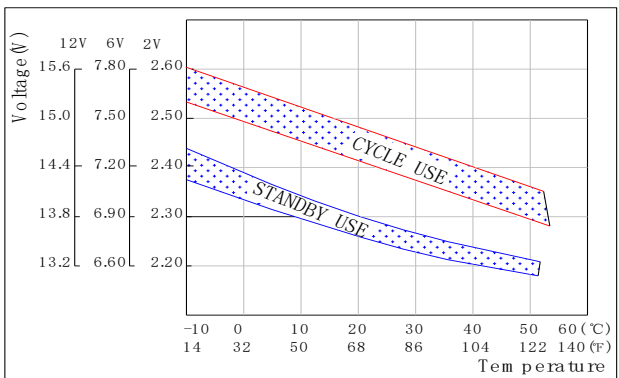
## Dimensions



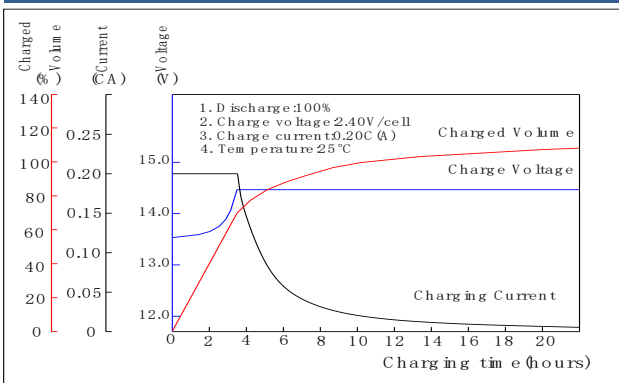
## Specifications

Nominal Voltage		12V
Capacity (20hr@25°C)		1.2Ah
Dimensions (±2mm)	Length	97mm (3.82inch)
	Width	43mm (1.69inch)
	Height	52mm (2.05inch)
	Total Height	58mm (2.28inch)
Approx. Weight		0.61kg (1.34lbs)
Maximum charging current		0.36A
Maximum discharge current		18A (5sec.)
Internal resistance		Approx. 95mΩ
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

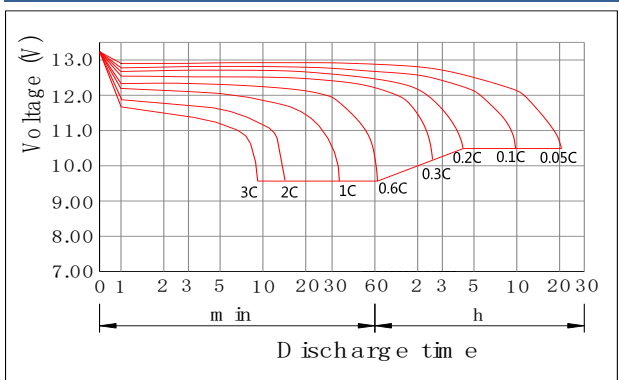
## The Relationship for Charging Voltage and Temperature



## Charging Characteristics (25°C)



## Discharge Characteristics (25°C)



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

FV / TIME	5min	10min	15min	30min	1h	3h	5h	10h	20h
10.80V	4,47	2,86	2,28	1,32	0,75	0,32	0,21	0,12	0,06
10.20V	4,75	3,04	2,40	1,39	0,79	0,33	0,22	0,12	0,06
9.60V	5,00	3,20	2,50	1,45	0,82	0,33	0,22	0,12	0,06

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

FV / TIME	5min	10min	15min	30min	1h	3h	5h	10h	20h
10.80V	49,90	32,30	26,00	15,10	8,69	3,80	2,51	1,44	0,72
10.20V	53,80	34,10	27,40	15,90	9,15	3,92	2,63	1,44	0,72
9.60V	55,80	36,10	28,50	16,60	9,50	3,92	2,63	1,44	0,72