

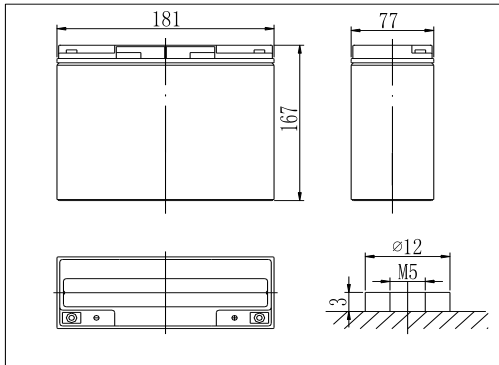
RPower VDS12-18,0 (12V 18Ah AGM Battery)

VdS No. G117045

EAN: 4260349822640

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

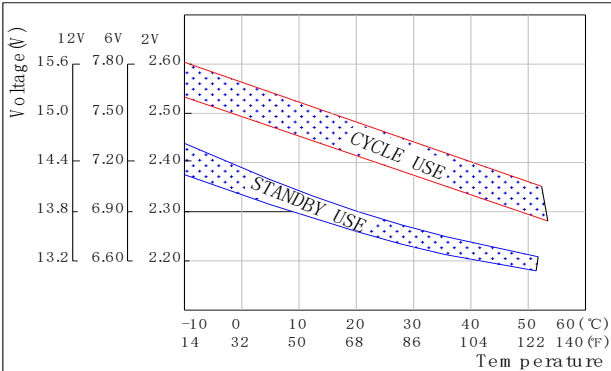
Dimensions



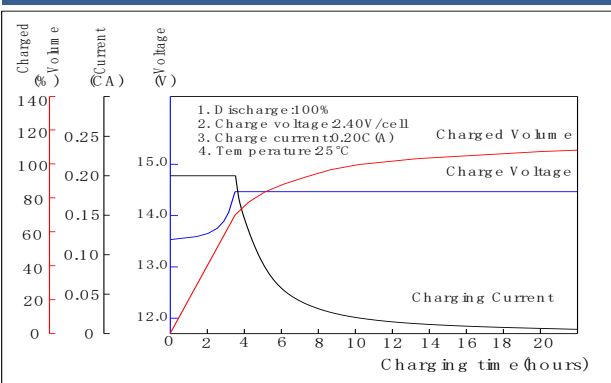
Specifications

Nominal Voltage		12V
Capacity (20hr@25°C)		18Ah
Dimensions (±2mm)	Length	181mm (7.13inch)
	Width	77mm (3.03inch)
	Height	167mm (6.57inch)
	Total Height	167mm (6.57inch)
Approx. Weight		5.50kg (12.13lbs)
Maximum charging current		5.40A
Maximum discharge current		270A (5sec.)
Internal resistance		Approx. 17mΩ
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

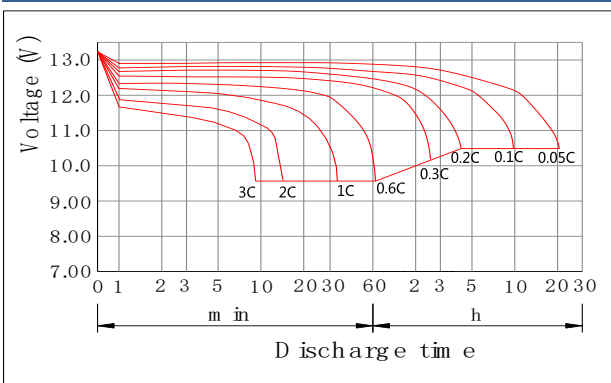
The Relationship for Charging Voltage and Temperature



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	56,30	35,40	28,70	17,20	9,85	4,23	2,82	1,62	0,90
10.20V	59,90	37,60	30,20	18,10	10,40	4,32	2,88	1,61	0,91
9.60V	63,00	39,60	31,50	18,90	10,80	4,38	2,92	1,64	0,91

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

FV / TIME	5min	10min	15min	30min	1h	3h	5h	10h	20h
10.80V	628,00	399,00	327,00	198,00	114,00	50,30	33,70	19,60	10,80
10.20V	668,00	424,00	345,00	208,00	120,00	51,30	34,40	19,60	10,90
9.60V	703,00	447,00	359,00	217,00	125,00	52,10	34,90	19,70	11,00