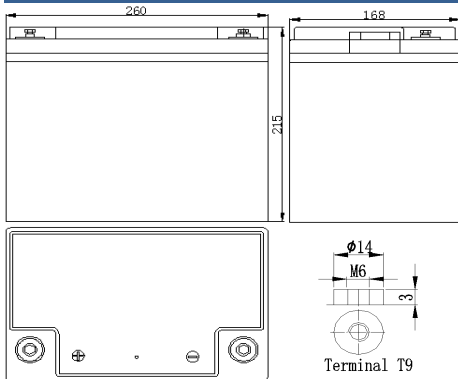


# RPower 12V 2 OPzV 50 LW (12V 50Ah OPzV Battery)

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

EAN: 4260349822299

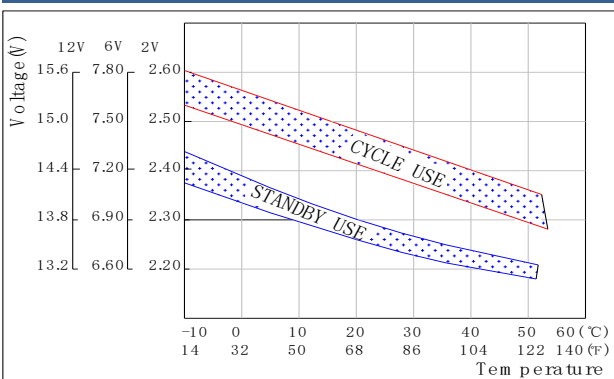
## Dimensions



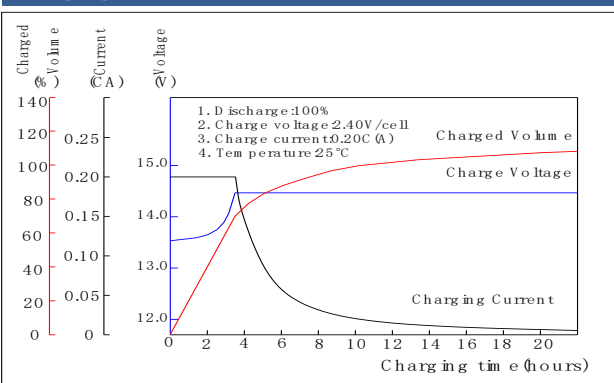
## Specifications

Nominal Voltage	12V	
Capacity (10hr@25°C@1.80V/C)	50Ah	
Dimensions (±2mm)	Length	260mm (10.2inch)
	Width	168mm (6.61inch)
	Height	215mm (8.46inch)
	Total Height	215mm (8.46inch)
Approx. Weight	21.00kg (46.30lbs)	
Maximum charging current	15A	
Maximum discharge current	290A (5sec.)	
Internal resistance	Approx. 9.0mΩ	
Capacity affected by temperature (10hr)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 93%
	6 month	Remaining Capacity: 85%
	12 month	Remaining Capacity: 72%
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	

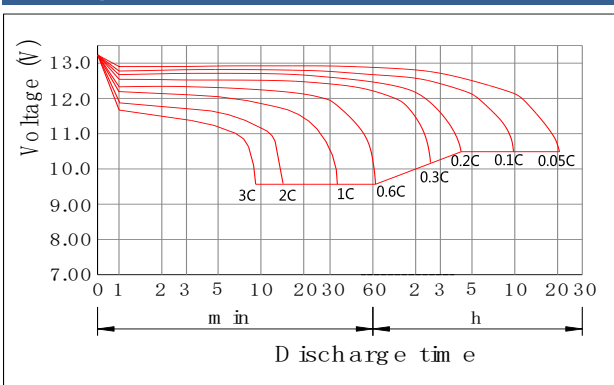
## The Relationship for Charging Voltage and Temperature



## 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	54,51	49,38	46,40	42,03	37,10	30,92	24,20	16,20	12,00	10,07	8,47	7,20	5,50	4,80	2,59
10.80V	57,96	52,50	47,56	44,08	38,50	32,37	24,67	16,45	12,10	10,10	8,63	7,37	5,58	5,00	2,65
10.50V	61,41	55,63	49,00	46,54	38,81	33,60	25,00	16,60	12,40	10,50	8,90	7,60	5,75	5,03	2,67
10.20V	64,17	58,13	50,80	48,18	39,40	34,44	25,50	16,90	12,50	10,50	8,96	7,65	5,79	5,07	2,68
9.90V	66,93	60,63	52,70	50,02	40,70	35,53	26,20	17,10	12,60	10,60	9,02	7,71	5,83	5,08	2,69
9.60V	69,00	62,50	54,00	51,25	41,50	36,25	26,60	17,20	12,60	10,70	9,08	7,75	5,87	5,09	2,70

## 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	585,44	533,25	510,00	461,43	415,80	346,94	276,00	187,80	141,60	118,40	100,09	85,08	65,39	57,90	31,08
10.80V	622,49	567,00	522,21	483,94	431,40	363,21	281,28	190,49	142,25	119,40	102,00	87,00	67,80	59,70	31,92
10.50V	659,54	600,75	538,20	510,95	435,47	377,03	285,00	192,60	145,80	123,00	105,00	90,00	68,40	60,00	32,04
10.20V	689,19	627,75	557,40	528,96	442,20	386,39	290,40	195,60	147,00	123,60	106,20	90,60	69,00	60,60	32,22
9.90V	718,83	654,75	578,40	549,22	456,60	398,59	298,20	197,40	147,60	124,80	106,80	91,20	69,00	60,60	32,28
9.60V	741,06	675,00	592,80	562,73	465,60	406,73	302,40	198,60	148,80	125,40	107,40	91,80	69,60	60,60	32,40