

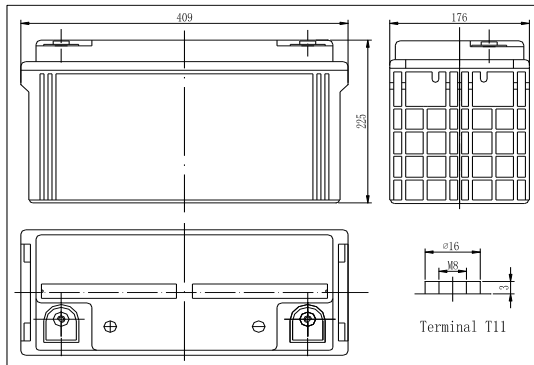
RPower OGiV123500HP (12V 120Ah AGM High-Power-Battery)

with UL94 V-0 Housing

EAN: 4260349823678

Floating Life at 20°C designed for up to 12 years

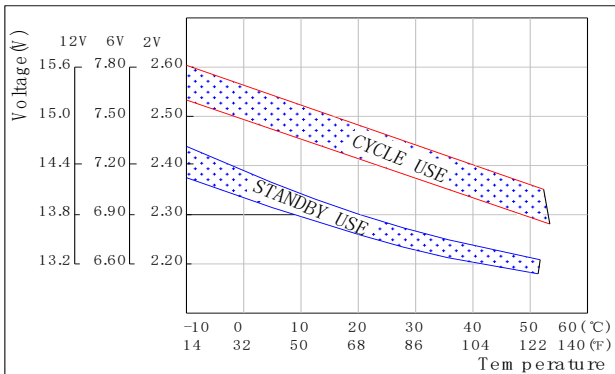
Dimensions



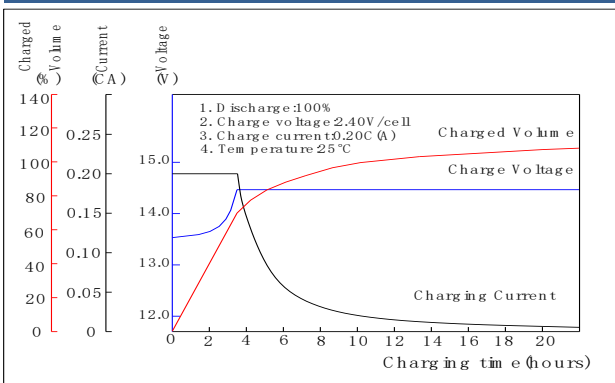
Specifications

Nominal Voltage		12V
Capacity (10hr@25°C@1.80V/C)		120Ah
Dimensions	Length	410mm (16.1inch)
	Width	176mm (6.93inch)
	Height	224mm (8.82inch)
	Total Height	224mm (8.82inch)
Approx. Weight		36.50kg (80.47lbs)
Maximum charging current		37.8A
Maximum discharge current		840A (5sec.)
Internal resistance		Approx. 4.0mΩ
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

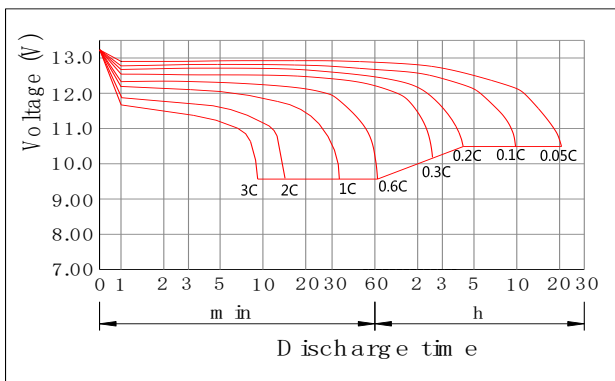
The Relationship for Charging Voltage and Temperature



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	333,96	260,39	215,86	168,43	121,00	85,18	66,79	38,87	29,59	23,38	19,59	16,98	13,62	11,56	6,02
10.80V	345,00	269,00	223,00	174,00	125,00	88,00	69,00	40,23	30,64	24,22	20,29	17,57	14,15	12,01	6,30
10.50V	359,00	280,00	234,00	179,00	129,00	90,00	71,00	41,46	31,60	24,99	20,95	18,18	14,63	12,43	6,55
10.20V	371,00	296,00	244,00	189,00	136,00	95,00	74,00	43,29	33,00	26,12	21,90	19,02	15,32	13,02	6,85
10.02V	387,00	307,00	250,00	196,00	140,00	98,00	76,00	44,54	33,97	26,90	22,57	19,61	15,80	13,45	7,09
9.60V	394,00	334,00	266,00	212,00	152,00	106,00	82,00	48,13	36,74	29,11	24,44	21,24	17,14	14,60	7,73

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	3508,03	2915,62	2358,05	1905,02	1353,26	993,17	789,89	443,92	331,64	268,56	229,86	198,26	155,61	137,44	70,58
10.80V	3624,00	3012,00	2436,00	1968,00	1398,00	1026,00	816,00	459,41	343,54	278,26	238,27	205,63	161,41	142,80	73,66
10.50V	3810,00	3144,00	2544,00	2046,00	1452,00	1056,00	840,00	473,76	355,32	287,28	246,12	212,52	167,16	147,48	76,33
10.20V	3996,00	3252,00	2640,00	2118,00	1500,00	1092,00	864,00	488,16	366,34	296,35	254,02	219,38	172,80	153,90	79,68
10.02V	4182,00	3342,00	2700,00	2166,00	1530,00	1110,00	882,00	499,21	374,85	303,41	260,19	224,91	177,28	158,62	82,24
9.60V	4368,00	3540,00	2850,00	2280,00	1608,00	1158,00	918,00	520,51	391,07	316,71	271,73	235,01	185,44	167,08	86,51