

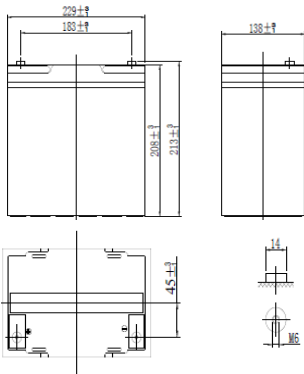
RPower OGiV121600HP (12V 55Ah AGM High-Power-Battery)

with UL94 V-0 Housing

EAN: 4260349823630

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

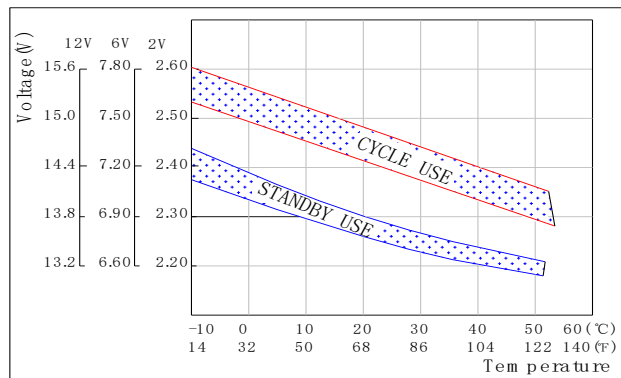
Dimensions



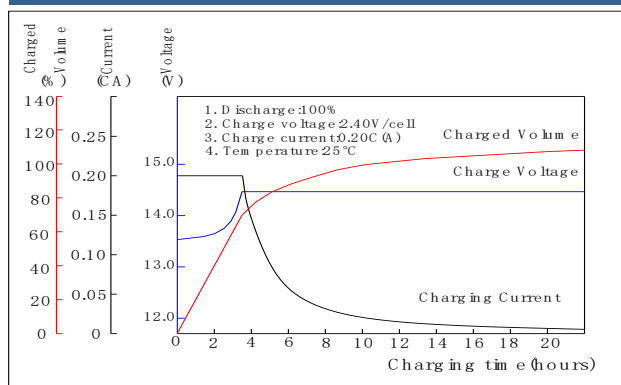
Specifications

Nominal Voltage	12V	
Capacity (10hr@25°C@1.80V/C)	55Ah	
Dimensions	Length	229mm (9.02inch)
	Width	138mm (5.43inch)
	Height	208mm (8.19inch)
	Total Height	213mm (8.39inch)
Approx. Weight	17.00kg (37.48lbs)	
Maximum charging current	16.5A	
Maximum discharge current	550A (5sec.)	
Internal resistance	Approx. 6mΩ	
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	

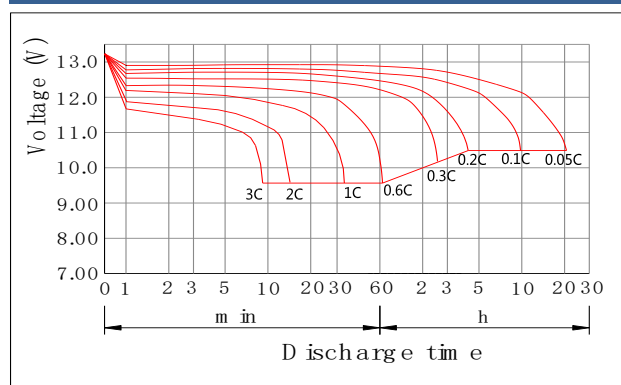
The Relationship for Charging Voltage and Temperature



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	154,88	118,10	95,83	80,05	60,69	46,17	36,59	21,30	16,21	12,81	10,73	9,30	7,46	5,29	2,77
10.80V	160,00	122,00	99,00	82,70	62,70	47,70	37,80	22,04	16,78	13,27	11,11	9,62	7,75	5,50	2,90
10.50V	186,00	137,00	108,00	89,30	66,20	49,50	39,10	22,83	17,40	13,76	11,53	10,01	8,05	5,72	3,03
10.20V	203,00	147,00	113,00	92,90	68,30	50,70	39,60	23,17	17,66	13,98	11,72	10,18	8,20	5,83	3,08
10.02V	212,00	152,00	115,00	94,20	69,10	50,90	40,00	23,44	17,88	14,16	11,88	10,32	8,32	5,92	3,13
9.60V	236,00	159,00	119,00	96,00	69,80	51,50	40,60	23,83	18,19	14,41	12,10	10,52	8,49	6,04	3,21

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	1632,05	1248,72	1028,02	853,78	656,30	505,30	401,33	225,55	168,50	136,45	116,79	100,73	79,06	58,38	30,12
10.80V	1686,00	1290,00	1062,00	882,00	678,00	522,00	414,60	233,42	174,55	141,38	121,06	104,48	82,01	60,66	31,44
10.50V	1854,00	1398,00	1128,00	942,00	708,00	540,00	425,40	239,93	179,94	145,49	124,64	107,63	84,65	62,44	32,47
10.20V	2022,00	1488,00	1176,00	978,00	732,00	552,00	435,00	245,78	184,44	149,21	127,89	110,45	87,00	64,78	33,70
10.02V	2118,00	1530,00	1200,00	996,00	744,00	564,00	435,60	246,55	185,13	149,85	128,50	111,08	87,56	65,49	34,12
9.60V	2244,00	1602,00	1224,00	1008,00	750,00	576,00	436,80	247,67	186,08	150,70	129,29	111,82	88,23	66,46	34,58