




<p>● <b>12V100AH(10Hr),Deep Cycle</b></p> 	Nominal Voltage	12V	
	Actual Capacity (10 hour rate)	100Ah	
	Approx. Weight	31.0kg(68.36lbs) ±3%	
	Internal Resistance	Approx.4.5mΩ(Fully charged,25°C)	
	Terminal Type	Insert Screw(Screw: M6/M8)	
	Work Temperature	-15°C--- 50°C ( Normal: 25°C ±3°C(77°F ±5°F)	
<p>● <b>Terminal Type</b></p>  	Dimensions	Length	330±2mm(12.99inch)
		Width	171±2mm(6.73inch)
		Height	214±2mm(8.43inch)
		Total Height	220±2mm(8.66inch)
Capacity (25°C)	10HR(10.8V)	100Ah	
	5HR(10.5V)	88.1Ah	
	1HR(9.6V)	62.9Ah	
Self-discharge (25°C)	3 months	Remaining Capacity:91%	
	6 months	Remaining Capacity:82%	
	12 months	Remaining Capacity:65%	
	Float Charging Voltage(25°C)	13.50 to 13.80V Temperature compensation:-18mV/°C	
	Cyclic Charging Voltage(25°C)	14.50 to 15.00V Temperature compensation:-30mV/°C	
	Maximum Charging Current	30A	
	Maximum Discharge Current	1200A(5 sec.)	
	Designed Floating Life(25°C)	1000 cycles@50% DOD	

● **Construction**

Component Raw Material	Positive Plate Lead Dioxide	Negative Plate LEAD	Container ABS	Cover ABS	Separator AGM	Electrolyte Sulfuric Acid	Safety Valve Rubber	Terminal Copper
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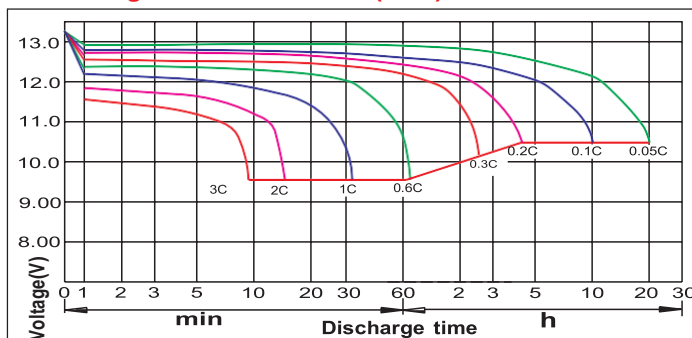
● **Constant Current Discharge Characteristics Unit:Amp(25°C,77°F)**

F.V/Time	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	168.3	101.8	62.98	36.78	25.70	21.06	18.04	15.62	12.31	10.30	5.381
9.90V	164.3	99.76	62.17	36.58	25.60	20.96	17.84	15.44	12.29	10.28	5.371
10.2V	158.2	96.74	60.56	36.28	25.39	20.76	17.74	15.42	12.19	10.20	5.361
10.5V	152.2	94.32	59.35	35.77	25.19	20.66	17.63	15.32	12.09	10.18	5.331
10.8V	144.1	90.89	57.54	34.87	24.49	20.05	17.13	14.81	11.69	10.08	5.290

● **Constant Power Discharge Characteristics Unit:Watts(25°C,77°F)**

F.V/Time	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	1844.1	1131.6	716.5	423.2	299.3	244.9	211.6	183.4	146.5	122.3	64.49
9.90V	1799.7	1112.5	707.4	421.2	298.3	243.9	209.6	181.8	146.1	121.9	64.39
10.2V	1733.2	1080.2	691.3	418.2	296.3	241.8	208.6	181.4	145.1	121.3	64.29
10.5V	1673.8	1056.1	677.2	413.2	294.2	240.8	206.6	179.4	144.1	120.9	63.99
10.8V	1586.1	1019.8	657.0	403.1	286.2	235.8	202.5	175.3	139.1	119.9	63.48

● **Discharge characteristics (25°C)**



● **Cycle Life on D.O.D (25°C)**

