

● **12V18AH(20Hr),General Series**



Nominal Voltage		12V
Actual Capacity (20 hour rate)		18Ah
Terminal Type		T3 Bolt & Nut/Insert Screw(M5)
Approx. Weight		5.1kg(11.2lbs)±3%
Internal Resistance		Approx.16mΩ(Fully charged,25℃)
Work Temperature		-15℃---50℃ (Normal: 25℃ ±3℃(77°F ±5°F))
Dimensions	Length	181±2mm(7.13inch)
	Width	77±1mm(3.03inch)
	Height	167±2mm(6.57inch)
	Total Height	167±2mm(6.57inch)
Capacity (25℃)	20HR(10.8V)	18Ah
	5HR(10.5V)	15.4Ah
	1HR(9.6V)	11.8Ah
Self-discharge (25℃)	3 months	Remaining Capacity:91%
	6 months	Remaining Capacity:82%
	12 months	Remaining Capacity:65%
Float Charging Voltage(25℃)		13.50 to 13.80V Temperature compensation:-20mV/℃
Cyclic Charging Voltage(25℃)		14.50 to 15.00V Temperature compensation:-30mV/℃
Maximum Charging Current		5.4A
Maximum Discharge Current		270A(5 sec.)
Designed Floating Life(25℃)		10years

● **Terminal Type**



● **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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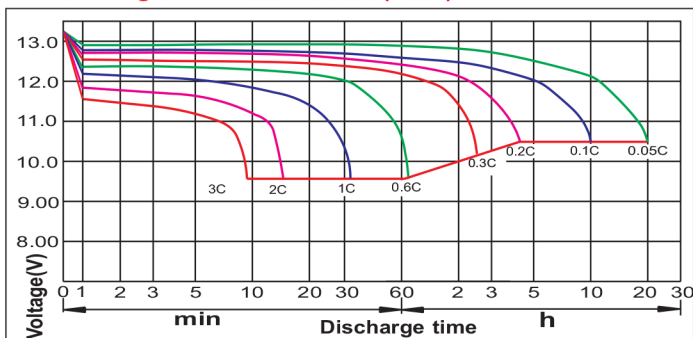
● **Constant Current Discharge Characteristics Unit:Amp(25℃,77°F)**

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	43.51	34.44	19.24	11.78	6.435	4.623	3.696	3.142	2.034	1.712	0.919
9.90V	42.20	33.64	18.83	11.58	6.405	4.592	3.676	3.122	2.024	1.702	0.918
10.2V	40.49	32.33	18.23	11.28	6.345	4.562	3.656	3.102	2.004	1.692	0.917
10.5V	38.67	31.32	17.83	11.08	6.254	4.532	3.626	3.082	1.994	1.682	0.906
10.8V	36.56	29.61	17.12	10.78	6.093	4.401	3.515	2.991	1.934	1.652	0.903

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

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	490.5	392.8	220.6	136.0	75.33	54.89	44.01	37.56	24.37	20.54	11.08
9.90V	476.4	383.7	215.5	133.9	74.93	54.58	43.81	37.26	24.27	20.44	11.02
10.2V	456.2	368.6	209.5	130.9	74.22	54.18	43.51	37.06	24.07	20.34	10.98
10.5V	437.1	356.5	204.4	127.9	73.12	53.88	43.20	36.76	23.97	20.24	10.88
10.8V	411.9	337.4	196.4	124.9	71.30	52.27	41.90	35.65	23.16	19.84	10.68

● **Discharge characteristics (25℃)**



● **Cycle Life on D.O.D (25℃)**

