

# 12V100AH

## VALVE REGULATED (SEALED) LEAD-ACID BATTERY

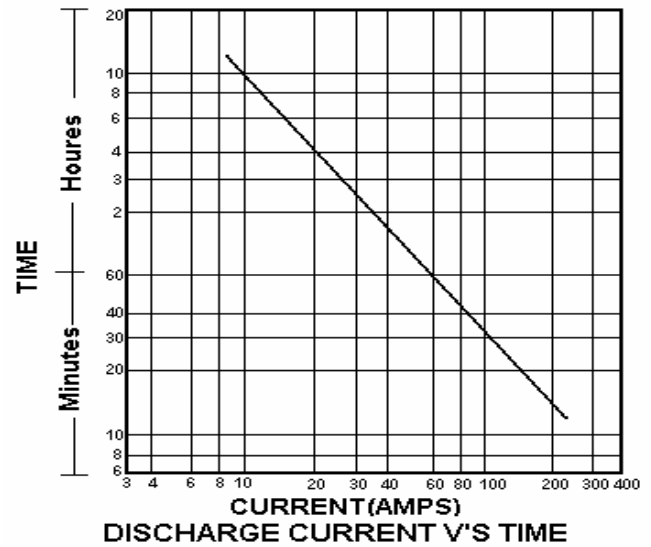
### ● SPECIFICATIONS

NOMINAL VOLTAGE	12V	
NOMINAL CAPACITY	100AH (10Hr Rate)	
DIMENSIONS (mm)	Length	332
	Width	174
	Height	214
	Ht/ Over Terminal	243
Weight (Approx)	30Kg	

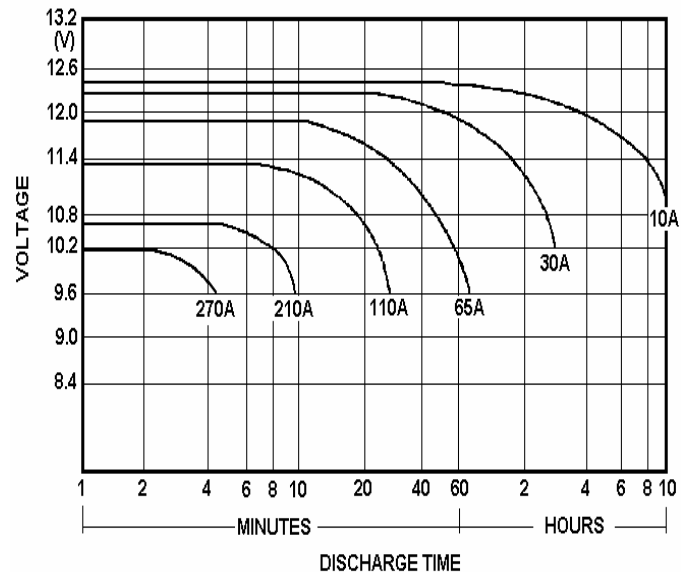


### ● CAPACITY CHARACTERISTICS

CUT OFF VOLTAGE	20Hour Rate (5.3A)	106AH
1.75 v/c @25°C	10 Hour Rate (10A)	100AH
1.70v/c	5 Hour Rate(18A)	90AH
1.55v/c	1 Hour Rate(60A)	60AH
1.50v/c	15 Minute Rate(189A)	47AH



Charge Voltage (constant)	Float	BLOC 13.5-13.8	PER CELL 2.25-2.30
	Cycle	14.7-15.0	2.45-2.50
Discharge Current (A)	5 seconds maximum	1000	
	maximum continuous	480	



MAX. Charge Current	30A
Resistance (Full Charged)	5mΩ
Terminal Type	Insert Female For M8
Self Discharge	9 Months @ 21°C

PERFORMANCE DATA

■ Amperes per battery

Time F.V.	1 min	2 min	3 min	5 min	7 min	10 min	15 min	20 min	30 min	1 hr	2 hr	3 hr	5 hr	8 hr	10 hr
9.60 V	578	473	389	357	315	263	189	160	100	60	38	28	18	12	10
9.90 V	567	452	368	336	294	252	179	150	99	60	37	27	18	12	10
10.20 V	420	389	357	305	263	215	168	134	98	59	36	26	17	12	10
10.50 V	326	315	294	273	242	200	161	128	97	59	35	26	17	12	9
10.80 V	284	273	263	242	221	184	150	122	95	58	34	25	17	11	9
11.00 V	252	231	221	210	189	168	142	116	93	57	34	25	16	11	9
11.10 V	231	221	210	200	179	158	137	114	92	57	33	24	16	10	9

■ Watts per battery

Time F.V.	1 min	2 min	3 min	5 min	7 min	10 min	15 min	20 min	30 min	1 hr	2 hr	3 hr	5 hr	8 hr	10 hr
9.60 V	4410	4095	3780	3402	2961	2625	1953	1530	1160	720	440	320	210	135	120
9.90 V	4284	4032	3591	3276	2898	2520	1932	1500	1150	710	430	315	205	132	115
10.20 V	4095	3843	3465	3150	2709	2373	1890	1470	1140	700	425	310	200	130	110
10.50 V	3276	3213	3150	2961	2583	2268	1817	1440	1130	680	420	305	200	128	110
10.80 V	3024	2961	2835	2646	2394	2016	1691	1380	1110	660	415	300	195	125	105
11.00 V	2898	2835	2709	2520	2268	1953	1638	1340	1020	660	410	290	195	120	100
11.10 V	2772	2646	2520	2331	2142	1890	1607	1320	990	650	400	280	190	120	100

■ Ambient temperature : 20°C (68°F)

■ Above table without consideration of maintenance factor