

2V100AH Sealed Lead-Acid Battery

● SPECIFICATIONS

NOMINAL VOLTAGE		2V
NOMINAL CAPACITY		100Ah (10HR)
DIMENSIONS	Length (±1mm)	108mm
	Width (±1mm)	172mm
	Height (±2mm)	350mm
	Total Height (±2mm)	366mm
Weight (Approx.)		9Kg



● CHARACTERISTICS

CAPACITY 20°C	10HR 10A DCHG. CUT-OFF 1.80V	100Ah	
	5HR 19A DCHG. CUT-OFF 1.70V	95Ah	
	1HR 69A DCHG. CUT-OFF 1.60V	69Ah	
	0.5HR 115 A DCHG. CUT-OFF 1.50V	57Ah	
INTERNAL RESISTANCE	FULL CHARGED BATTERY 20°C		APPROX. 0.7mΩ
CAPACITY AFFECTED BY TEMPERATURE	40°C	105%(10HR. DCHG. 105AH	
	20°C	100%(10HR. DCHG. 100AH	
	0°C	85%(10HR. DCHG. 85AH	
	-20°C	60%(10HR. DCHG. 60AH	
SELF-DISCHARGE 20°C	1MONTH	97%	6MONTH 85%
	3MONTH	91%	12MONTH 64%
MAX. DCHG. CURRENT			5 SEC. DCHG. 600A
CHARGE	CYCLE	VOLTAGE	CONST. VOLTAGE CHR.G. 2.4V-2.45V 20°C
		CURRENT	INITIAL CHR.G. AMPS. LESS THAN 30A
	FLOAT	VOLTAGE	CONST. VOLTAGE CHR.G. 2.23V-2.25V 20°C
		CURRENT	INITIAL CHR.G. AMPS. LESS THAN 30A
OPERATING TEMP. RANCE		CHRG. 10~40°C	DCHG. -20~50°C
LIFE EXPECTANCY	CYCLE	100% DCHG.	200 CYCLES
		50% DCHG.	600 CYCLES
		30% DCHG.	1500 CYCLES
	FLOAT	10~15 YEARS	

PERFORMANCE DATA

■ Amperes per battery

Time F.V.	1 min	5 min	10 min	15 min	25 min	35 min	45 min	1 hr	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	24 hr
1.60 V	369	284	223	181	132	107	89	69	40	30	20	14	11	10	5
1.65 V	328	255	206	169	126	102	86	67	40	29	19	13	11	9	5
1.70 V	284	233	190	159	120	98	84	65	39	28	19	13	11	9	5
1.75 V	248	212	174	148	114	93	80	63	37	27	18	13	10	9	5
1.80 V	210	187	159	135	108	89	78	60	36	26	18	12	10	9	5
1.85 V	149	140	125	112	92	78	66	54	33	25	16	11	9	8	4
1.90 V	113	109	100	91	77	66	59	48	30	22	15	11	9	8	4

■ Watts per battery

Time F.V.	1 min	5 min	10 min	15 min	25 min	35 min	45 min	1 hr	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	24 hr
1.60 V	591	470	379	316	239	195	165	130	79	58	38	26	22	19	10
1.65 V	544	435	356	301	230	187	160	127	77	56	37	26	21	18	10
1.70 V	489	406	338	288	221	181	156	123	75	54	36	25	21	18	10
1.75 V	434	375	316	270	213	175	151	120	72	53	35	24	20	17	10
1.80 V	378	340	290	249	201	168	146	115	70	52	34	23	20	17	9
1.85 V	277	260	233	212	175	148	128	104	65	48	32	22	19	16	9
1.90 V	217	208	190	174	148	129	114	93	59	44	27	21	18	15	8

■ Ambient temperature : 20°C (68°F)

■ Above table without consideration of maintenance factor