

2V150AH Sealed Lead-Acid Battery

● SPECIFICATIONS

NOMINAL VOLTAGE		2V
NOMINAL CAPACITY		150Ah (10HR)
DIMENSIONS	Length (±1mm)	106mm
	Width (±1mm)	172mm
	Height (±2mm)	350mm
	Total Height (±2mm)	366mm
Weight (Approx.)		11Kg



● CHARACTERISTICS

CAPACITY 20°C	10HR 15A DCHG. CUT-OFF 1.80V	150Ah	
	5HR 24.3A DCHG. CUT-OFF 1.70V	121.5Ah	
	1HR 97.5A DCHG. CUT-OFF 1.60V	97.5Ah	
	0.5HR 150 A DCHG. CUT-OFF 1.50V	75Ah	
INTERNAL RESISTANCE	FULL CHARGED BATTERY 20°C		APPROX. 0.7mΩ
CAPACITY AFFECTED BY TEMPERATURE	40°C	105%(10HR. DCHG. 157.5AH	
	20°C	100%(10HR. DCHG. 150AH	
	0°C	85%(10HR. DCHG. 127.5AH	
	-20°C	60%(10HR. DCHG. 90AH	
SELF-DISCHARGE 20°C	1MONTH	97%	6MONTH 85%
	3MONTH	91%	12MONTH 64%
MAX. DCHG. CURRENT			5 SEC. DCHG. 900A
CHARGE	CYCLE	VOLTAGE	CONST. VOLTAGE CHRg. 2.4V-2.45V 20°C
		CURRENT	INITIAL CHRg. AMPS. LESS THAN 45A
	FLOAT	VOLTAGE	CONST. VOLTAGE CHRg. 2.23V-2.25V 20°C
		CURRENT	INITIAL CHRg. AMPS. LESS THAN 45A
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	553	425	334	271	198	161	134	104	62	45	30	20	17	15	8
1.65 V	491	383	309	254	189	153	129	101	60	44	29	20	16	14	8
1.70 V	425	350	286	237	180	147	126	98	59	42	28	19	16	14	8
1.75 V	372	318	261	223	172	141	120	95	56	41	27	19	16	13	8
1.80 V	315	280	238	204	163	134	117	90	54	39	27	18	15	13	7
1.85 V	224	210	188	169	139	117	100	81	50	38	25	17	14	12	6
1.90 V	170	164	150	138	116	100	88	72	45	33	23	16	13	11	6

■ 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	887	706	569	475	359	293	248	195	119	87	57	39	32	28	16
1.65 V	816	652	534	453	345	280	239	191	116	84	56	39	32	28	15
1.70 V	734	610	507	432	331	271	235	185	113	81	54	38	32	27	15
1.75 V	651	563	475	405	320	264	227	180	108	80	53	37	31	26	14
1.80 V	567	510	435	374	301	252	219	173	105	78	51	35	30	25	14
1.85 V	416	391	350	318	264	223	192	156	98	72	48	34	28	24	13
1.90 V	327	312	286	261	223	194	172	140	89	66	41	31	26	23	12

■ Ambient temperature : 20°C (68°F)

■ Above table without consideration of maintenance factor