

2V120AH Sealed Lead-Acid Battery

● SPECIFICATIONS

NOMINAL VOLTAGE		2V
NOMINAL CAPACITY		120Ah (10HR)
DIMENSIONS	Length (±1mm)	106mm
	Width (±1mm)	172mm
	Height (±2mm)	350mm
	Total Height (±2mm)	366mm
Weight (Approx.)		10Kg



● CHARACTERISTICS

CAPACITY 20°C	10HR 12A DCHG. CUT-OFF 1.80V	120Ah			
	5HR 19.4A DCHG. CUT-OFF 1.70V	97Ah			
	1HR 78A DCHG. CUT-OFF 1.60V	78Ah			
	0.5HR 120 A DCHG. CUT-OFF 1.50V	60Ah			
INTERNAL RESISTANCE	FULL CHARGED BATTERY 20°C		APPROX. 0.7mΩ		
CAPACITY AFFECTED BY TEMPERATURE	40°C	105%(10HR. DCHG. 126AH			
	20°C	100%(10HR. DCHG. 120AH			
	0°C	85%(10HR. DCHG. 102AH			
	-20°C	60%(10HR. DCHG. 72AH			
SELF-DISCHARGE 20°C	1MONTH	97%	SELF-DISCHARGE 20°C	1MONTH	
	3MONTH	91%		3MONTH	
MAX. DCHG. CURRENT			5 SEC. DCHG.	720A	
CHARGE	CYCLE	VOLTAGE	CONST. VOLTAGE CHRG. 2.4V-2.45V 20°C		
		CURRENT	INITIAL CHRG. AMPS. LESS THAN 36A		
	FLOAT	VOLTAGE	CONST. VOLTAGE CHRG. 2.23V-2.25V 20°C		
		CURRENT	INITIAL CHRG. AMPS. LESS THAN 36A		
OPERATING TEMP. RANCE		CHRG.	10~40°C	OPERATING TEMP. RANCE	CHRG.
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	442	340	267	216	159	128	107	83	49	36	24	16	13	12	6
1.65 V	393	307	247	203	151	122	103	80	48	35	23	16	13	11	6
1.70 V	340	279	228	190	144	118	101	78	47	34	22	15	13	11	6
1.75 V	297	254	209	177	138	112	96	76	44	32	22	15	12	11	6
1.80 V	252	225	190	163	130	107	93	72	43	31	21	14	12	10	5
1.85 V	179	168	150	134	111	93	80	65	40	30	20	14	11	10	5
1.90 V	137	131	120	109	92	80	70	58	36	26	18	13	11	9	5

■ 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	706	565	455	379	288	234	197	156	94	70	46	31	26	22	12
1.65 V	653	522	427	361	276	225	191	152	92	67	44	31	25	22	12
1.70 V	587	487	405	345	265	216	188	148	90	65	43	30	25	21	12
1.75 V	521	449	379	323	256	210	182	144	86	64	42	29	24	21	12
1.80 V	454	408	348	298	240	202	175	138	84	62	41	28	24	20	11
1.85 V	333	313	279	254	210	177	153	125	78	58	38	27	22	19	10
1.90 V	260	250	228	209	177	155	138	112	71	53	32	25	21	18	10

■ Ambient temperature : 20°C (68°F)

■ Above table without consideration of maintenance factor