

2V300AH Sealed Lead-Acid Battery

● SPECIFICATIONS

NOMINAL VOLTAGE		2V
NOMINAL CAPACITY		300Ah (10HR)
DIMENSIONS	Length (±1mm)	150mm
	Width (±1mm)	170mm
	Height (±2mm)	350mm
	Total Height (±2mm)	366mm
Weight (Approx.)		21Kg



● CHARACTERISTICS

CAPACITY 20°C	10HR 30A DCHG. CUT-OFF 1.80V	300Ah			
	5HR 56A DCHG. CUT-OFF 1.70V	280Ah			
	1HR 207A DCHG. CUT-OFF 1.60V	207Ah			
	0.5HR 300A DCHG. CUT-OFF 1.50V	150Ah			
INTERNAL RESISTANCE	FULL CHARGED BATTERY 20°C		APPROX. 0.3mΩ		
CAPACITY AFFECTED BY TEMPERATURE	40°C	105%(10HR. DCHG.	315AH		
	20°C	100%(10HR. DCHG.	300AH		
	0°C	85%(10HR. DCHG.	255AH		
	-20°C	60%(10HR. DCHG.	180AH		
SELF-DISCHARGE 20°C	1MONTH	97%	6MONTH	85%	
	3MONTH	91%	12MONTH	64%	
MAX. DCHG. CURRENT			5 SEC. DCHG.	1800A	
CHARGE	CYCLE	VOLTAGE	CONST. VOLTAGE CHRG. 2.4V-2.45V 20°C		
		CURRENT	INITIAL CHRG. AMPS. LESS THAN 90A		
	FLOAT	VOLTAGE	CONST. VOLTAGE CHRG. 2.23V-2.25V 20°C		
		CURRENT	INITIAL CHRG. AMPS. LESS THAN 90A		
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 (성능)

■ Amperes per battery (정전류 방전)

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	1106	851	668	542	397	321	268	207	123	90	60	41	33	29	16
1.65 V	983	765	617	507	378	306	258	201	120	87	57	40	32	28	16
1.70 V	851	699	570	476	359	293	252	195	117	84	56	38	32	27	15
1.75 V	743	636	523	444	343	280	239	189	111	81	55	38	31	26	15
1.80 V	630	561	476	406	324	268	233	180	108	78	54	36	30	26	14
1.85 V	447	419	375	337	277	233	198	162	99	75	49	34	28	24	13
1.90 V	340	328	299	274	230	198	176	144	90	66	46	32	26	23	12

■ Watts per battery (정전력 방전)

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	1773	1411	1137	948	718	586	495	390	237	174	114	78	65	56	31
1.65 V	1632	1304	1068	904	690	561	479	381	231	168	111	77	64	55	30
1.70 V	1468	1219	1014	863	662	542	469	369	225	162	108	75	62	53	29
1.75 V	1301	1125	948	810	639	526	454	360	216	159	105	73	61	52	29
1.80 V	1134	1021	869	747	602	504	438	345	210	156	102	70	59	51	27
1.85 V	832	781	699	636	526	444	384	312	195	144	96	67	56	48	26
1.90 V	652	624	570	523	444	387	343	279	177	132	81	62	53	45	24

■ Ambient temperature : 20℃ (68°F)

■ Above table without consideration of maintenance factor