

CVT2500 Lead Carbon Battery



■ Specification

NOMINAL VOLTAGE (공칭전압)		2V	Positive plate :
NOMINAL CAPACITY (공칭용량)		500 Ah/10HR	Lead dioxide
DIMENSIONS (치수)	LENGTH (길이) ± 2 mm	166 mm (6.53 inches)	Negative plate :
	WIDTH (폭) ± 2 mm	172 mm (6.77 inches)	Lead
	HEIGHT (높이) ± 5 mm	508 mm (20.0 inches)	Safety valve :
WEIGHT APPROX. (중량)		41 Kg	Rubber
Max.current (최대. 전류)	Charge (충전)	100A (0.2C _{10A})	Terminal :
	Discharge (방전)	200A (0.4C _{10A})	Copper
HOUSING MATERIAL (전조재질)		ABS RESIN	Separator :
			Fiberglass

■ Characteristics

CAPACITY (방전용량) 25 °C (77 °F)	10 HR. 59.2A DCHG. 10 시간을 59.2A 방전 CUT-OFF 1.80V	592 Ah		
	5 HR. 102A DCHG. 5 시간을 102A 방전 CUT-OFF 1.80V	510 Ah		
	1 HR. 362A DCHG. 1 시간을 362A 방전 CUT-OFF 1.80V	362 Ah		
CELL SHORT CIRCUIT CURRENT (단락전류) 25 °C (77 °F)		4000A (단락전류 4000A)		
INTERNAL RESISTANCE (내부저항) FULL CHARGED BATTERY (만충전상태) 25 °C(77 °F)		APPROX. 0.22mΩ		
CAPACITY AFFECTED BY TEMPERATURE (온도에 따른방전용량)	40 °C (104 °F)	109% (10HR. DCHG. 545 Ah)		
	25 °C (77 °F)	102% (10HR. DCHG. 500 Ah)		
	0 °C (32 °F)	90% (10HR. DCHG. 450 Ah)		
	-20 °C (-4 °F)	60% (10HR. DCHG. 300 Ah)		
SELF-DISCHARGE (자기방전) 25 °C (77 °F), REMAINING CAPACITY %	1 MONTH (1개월)	97%	6 MONTH (6개월)	85%
	3 MONTH (3개월)	91%	12 MONTH (1년)	64%
CHARGE (충전)	CHARGE VOLTAGE	2.45V/CELL, 25 °C		
	VOLTAGE RANGE	2.36VDC~2.56VDC/CELL, 0 °C~40 °C		
	TEMPERATURE COEFFICIENT	-30mV, 25 °C		
OPERATING TEMP. RANGE (사용온도)		CHRG(충전) -20~40 °C(4~104 °F)	DCHG(방전) -40~60 °C(-40~142 °F)	
Super long cycle life	Using long-life technology and design, more than 4200 cycles @ 70% DOD, design life is 15 years.			

DIMENSIONS (치수)

Performance after prolonged float of fully charged cells available current at 25 ±5 °C

F.V	1 Hr.	2 Hr.	3 Hr.	5 Hr.	6 Hr.	7 Hr.	8 Hr.	9 Hr.	10 Hr.
1.60	392.3	229	166.6	111.1	97.1	86.6	77.1	70.6	64.0
1.65	389.7	222.5	161.6	107.2	95.1	84.2	75.7	69.1	63.1
1.70	370.2	216.7	155.7	105.7	92.2	82.2	73.2	67.7	61.7
1.75	363.8	212.3	153.7	103.7	89.7	79.7	71.7	65.2	60.6
1.80	361.6	209.7	152.4	102.0	88.4	78.3	70.5	64.3	59.2

