

POCKET TYPE NICKEL-CADMIUM BATTERY VTL200



SPECIFICATION

NOMINAL VOLTAGE (공칭전압)		1.2V		TERMINAL (단자) Bolt & Nut Type
NOMINAL CAPACITY (공칭용량)		200 Ah/5HR		
DIMENSIONS (치수)	LENGTH (길이)	± 2 mm	167 (6.57 inches)	
	WIDTH (폭)	± 2 mm	162 (6.37 inches)	
	HEIGHT (높이)	± 5 mm	345 (13.58 inches)	
WEIGHT APPROX. (중량)		14 Kg		
HOUSING MATERIAL (전조재질)		ABS and PP RESIN		
TYPE OF ELECTROLYTE (전해액형태)		KOH (Sp.Gr1.200/ 20℃)		

CHARACTERISTICS

CAPACITY (방전용량) 20℃ (68°F)	5 HR. 40A DCHG. 5 시간용 40A 방전	CUT-OFF 1.0V	200 Ah
	1 HR. 148A DCHG. 1 시간용 148A 방전	CUT-OFF 1.0V	148 Ah
	20 MIN. 170A DCHG. 20 분용 170A 방전	CUT-OFF 1.0V	56.6 Ah
CELL SHORT CIRCUIT CURRENT (단락전류) 20℃ (68°F)		2400A (단락전류 2400A)	
INTERNAL RESISTANCE (내부저항) FULL CHARGED BATTERY(만충전상태) 20℃(68°F)		APPROX. 0.62 mΩ	
CAPACITY AFFECTED BY TEMPERATURE (온도에 따른방전용량)	40℃ (104°F)	90%	(5HR. DCHG. 180 Ah)
	20℃ (68°F)	110%	(5HR. DCHG. 220 Ah)
	0℃ (32°F)	80%	(5HR. DCHG. 160 Ah)
	-20℃ (-4°F)	50%	(5HR. DCHG. 100 Ah)
SELF-DISCHARGE (자기방전) 20℃ (68 F), REMAINING CAPACITY %	1 MONTH (1개월)	92%	6 MONTH (6개월) 80%
	3 MONTH (3개월)	88%	12 MONTH (1년) 75%
MAX. DCHG. CURRENT (최대방전전류) 20℃ (68°F)		1200A (5 Sec.) (최대방전전류)	
CHARGE (충전)	CYCLE (사이클)	VOLTAGE (전압)	CONST. VOLTAGE CHRG.(정전압충전) 1.55V~ 1.65V/CELL, 20℃
		CURRENT (전류)	INITIAL CHR.G. AMPS. LESS THAN 40A (최대충전제한전류 40A 이하)
	FLOAT (부동)	VOLTAGE (전압)	CONST. VOLTAGE CHRG.(정전압충전) 1.44V~ 1.47V/CELL, 20℃
		CURRENT (전류)	INITIAL CHR.G. AMPS. LESS THAN 20A (최대충전제한전류 20A 이하)
OPERATING TEMP. RANGE (사용온도)		CHRG.(충전) -20~40℃(-4~104°F)	DCHG.(방전) -40~60℃(-40~140°F)
LIFE EXPECTANCY (수명)	CYCLE (사이클)	100% DCHG. (100%방전사용)	850 CYCLES (850회)
		50% DCHG. (50%방전사용)	2500 CYCLES (2500회)
		30% DCHG. (30%방전사용)	4500 CYCLES (4500회)
	FLOAT (부동)	15 ~ 20 YEARS (15~20년)	

DIMENSIONS (치수)

Performance after prolonged float of fully charged cells available current at 20 ± 5 ℃

F.V	10Min.	15Min.	20Min.	30Min.	1 Hr.	2 Hr.	3 Hr.	5 Hr.	8 Hr.
1.00	200	180	170	160	130	84	62	40.0	25.2
1.05	170	160	140	130	120	80	56	38.8	25.2
1.10	140	130	120	110	92	70	54	38.0	25.0
1.14	120	110	100	90	76	56	50	36.0	23.6

