

# POCKET TYPE NICKEL-CADMIUM BATTERY VTM200



## SPECIFICATION

NOMINAL VOLTAGE (공칭전압)		1.2V		<p>TERMINAL (단자) M20 Bolt &amp; Nut Type</p>
NOMINAL CAPACITY (공칭용량)		200 Ah/5HR		
DIMENSIONS (치수)	LENGTH (길이) ± 2 mm	162	(6.37 inches)	
	WIDTH (폭) ± 2 mm	165	(6.49 inches)	
	HEIGHT (높이) ± 3 mm	303	(11.93 inches)	
	HEIGHT (높이) ± 5 mm	343	(13.50 inches)	
WEIGHT APPROX. (중량)		15 Kg		
HOUSING MATERIAL (전조재질)		ABS and PP RESIN		
TYPE OF ELECTROLYTE (전해액형태)		KOH (Sp.Gr1.200/ 20 °C)		

## CHARACTERISTICS

CAPACITY (방전용량) 20 °C (68 °F)	5 HR. 40A DCHG. 5 시간용 40A 방전 CUT-OFF 1.0V	200 Ah	
	1 HR. 172A DCHG. 1 시간용 172A 방전 CUT-OFF 1.0V	172 Ah	
	20 MIN. 301A DCHG. 20 분용 301A 방전 CUT-OFF 1.0V	100 Ah	
CELL SHORT CIRCUIT CURRENT (단락전류) 20 °C (68 °F)		3000A (단락전류 3000A)	
INTERNAL RESISTANCE (내부저항) FULL CHARGED BATTERY(만충전상태) 20 C(68 °F)		APPROX. 1.0 mΩ	
CAPACITY AFFECTED BY TEMPERATURE (온도에 따른방전용량)	40 °C (104 °F)	95%	(5HR. DCHG. 190 Ah)
	20 °C (68 °F)	110%	(5HR. DCHG. 220 Ah)
	0 °C (32 °F)	90%	(5HR. DCHG. 180 Ah)
	-20 °C (-4 °F)	60%	(5HR. DCHG. 120 Ah)
SELF-DISCHARGE (자기방전) 20 °C (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 °C (68 °F)		2000A (5 Sec.) (최대방전전류)	
CHARGE (충전)	CYCLE (사이클)	VOLTAGE (전압)	CONST. VOLTAGE CHR.G. (정전압충전) 1.60V~ 1.65V/CELL, 20 °C
		CURRENT (전류)	INITIAL CHR.G. AMPS. LESS THAN 40A (최대충전제한전류 40A 이하)
	FLOAT (부동)	VOLTAGE (전압)	CONST. VOLTAGE CHR.G. (정전압충전) 1.42V~ 1.45V/CELL, 20 °C
		CURRENT (전류)	INITIAL CHR.G. AMPS. LESS THAN 20A (최대충전제한전류 20A 이하)
OPERATING TEMP. RANGE (사용온도)		CHR.G.(충전) -20~40 °C (-4~104 °F)	DCHG.(방전) -40~60 °C (-40~140 °F)
LIFE EXPECTANCY (수명)	CYCLE (사이클)	100% DCHG. (100%방전사용)	800 CYCLES (800회)
		50% DCHG. (50%방전사용)	2300 CYCLES (2300회)
		30% DCHG. (30%방전사용)	4500 CYCLES (4500회)
	FLOAT (부동)	20 YEARS ( 20년)	

DIMENSIONS (치수)

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

F.V	10Min.	15Min.	20Min.	30Min.	1 Hr.	2 Hr.	3 Hr.	5 Hr.	8 Hr.
1.00	381	333	301	257	172	95.4	65.4	40.0	25.2
1.05	336	295	267	229	164	93.4	64.5	39.6	25.0
1.10	288	251	<b>230</b>	196	146	89.4	62.6	39.0	24.6
1.14	246	216	196	168	126	84.0	60.0	37.6	24.0

