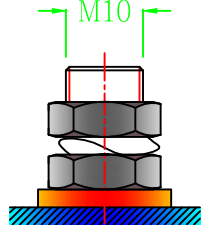


# POCKET TYPE NICKEL-CADMIUM BATTERY VTL90



## ■ SPECIFICATION

NOMINAL VOLTAGE (공칭전압)		1.2V		TERMINAL (단자)  Bolt & Nut Type
NOMINAL CAPACITY (공칭용량)		90 Ah/5HR		
DIMENSIONS (치수)	LENGTH (길이) ± 2 mm	139	(5.47 inches)	
	WIDTH (폭) ± 2 mm	79	(3.11 inches)	
	HEIGHT (높이) ± 5 mm	362	(14.25 inches)	
WEIGHT APPROX. (중량)		5.9 Kg		
HOUSING MATERIAL (진조재질)		ABS and PP RESIN		
TYPE OF ELECTROLYTE (전해액형태)		KOH (Sp.Gr1.200/ 20 °C)		

## ■ CHARACTERISTICS

CAPACITY (방전용량) 20 °C (68 °F)	5 HR. 18A DCHG. 5 시간용 18A 방전 CUT-OFF 1.0V	90 Ah		
	1 HR. 59A DCHG. 1 시간용 59A 방전 CUT-OFF 1.0V	59 Ah		
	20 MIN. 77.2A DCHG. 20 분용 77.2A 방전 CUT-OFF 1.0V	25.7 Ah		
CELL SHORT CIRCUIT CURRENT (단락전류) 20 °C (68 °F)		1080A (단락전류 1080A)		
INTERNAL RESISTANCE (내부저항) FULL CHARGED BATTERY(만충전상태) 20 C(68°F)		APPROX. 2.5 mΩ		
CAPACITY AFFECTED BY TEMPERATURE (온도에 따른방전용량)	40 °C (104 °F)	90% (5HR. DCHG. 81 Ah)		
	20 °C (68 °F)	107% (5HR. DCHG. 96 Ah)		
	0 °C (32 °F)	80% (5HR. DCHG. 72 Ah)		
	-20 °C (-4 °F)	50% (5HR. DCHG. 45 Ah)		
SELF-DISCHARGE (자기방전) 20 °C (68 F), REMAINING CAPACITY %	1 MONTH (1개월)	85%	6 MONTH (6개월)	70%
	3 MONTH (3개월)	75%	12 MONTH (1년)	60%
MAX. DCHG. CURRENT (최대방전전류) 20 °C (68 °F)		540A (5 Sec.) (최대방전전류)		
CHARGE (충전)	CYCLE (사이클)	VOLTAGE (전압)	CONST. VOLTAGE CHRG. (정전압충전) 1.55V~ 1.70V/CELL, 20 °C	
		CURRENT (전류)	INITIAL CHRG. AMPS. LESS THAN 18A (최대충전제한전류 18A 이하)	
	FLOAT (부동)	VOLTAGE (전압)	CONST. VOLTAGE CHRG. (정전압충전) 1.44V~ 1.47V/CELL, 20 °C	
		CURRENT (전류)	INITIAL CHRG. AMPS. LESS THAN 9A (최대충전제한전류 9A 이하)	
OPERATING TEMP. RANGE (사용온도)		CHRG.(충전) -20~40 °C(-4~104 °F)	DCHG.(방전) -40~50 °C(-40~122 °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)	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	91	82	77	73	59	38.5	28.4	18.0	11.6
1.05	77	73	64	59	55	36.8	26.2	17.8	11.4
1.10	64	60	<b>55</b>	51	42	32.0	24.8	17.5	11.3
1.14	55	51	46	41	35	26.0	22.7	16.4	10.7

