

POCKET TYPE NICKEL-CADMIUM BATTERY VTM40



SPECIFICATION

NOMINAL VOLTAGE (공칭전압)		1.2V		<p>TERMINAL (단자) Bolt & Nut Type</p>
NOMINAL CAPACITY (공칭용량)		40 Ah/5HR		
DIMENSIONS (치수)	LENGTH (길이) ± 2 mm	141	(5.55 inches)	
	WIDTH (폭) ± 2 mm	71	(2.79 inches)	
	HEIGHT (높이) ± 5 mm	295	(11.61 inches)	
WEIGHT APPROX. (중량)		3.6 Kg		
HOUSING MATERIAL (전조재질)		PP RESIN		
TYPE OF ELECTROLYTE (전해액형태)		KOH (Sp.Gr1.200/ 20 °C)		

CHARACTERISTICS

CAPACITY (방전용량) 20 °C (68 °F)	5 HR. 8A DCHG. 5 시간용 8A 방전	CUT-OFF 1.0V	40 Ah
	1 HR. 31A DCHG. 1 시간용 31A 방전	CUT-OFF 1.0V	31 Ah
	20 MIN. 51A DCHG. 20 분용 51A 방전	CUT-OFF 1.0V	17 Ah
CELL SHORT CIRCUIT CURRENT (단락전류) 20 °C (68 °F)		600A (단락전류 600A)	
INTERNAL RESISTANCE (내부저항) FULL CHARGED BATTERY(만충전상태) 20 °C(68 °F)		APPROX. 3.7 m Ω	
CAPACITY AFFECTED BY TEMPERATURE (온도에 따른방전용량)	40 °C (104 °F)	90% (5HR. DCHG.)	36 Ah
	20 °C (68 °F)	110% (5HR. DCHG.)	44 Ah
	0 °C (32 °F)	85% (5HR. DCHG.)	34 Ah
	-20 °C (-4 °F)	65% (5HR. DCHG.)	26 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)		400A (5 Sec.) (최대방전전류)	
CHARGE (충전)	CYCLE (사이클)	VOLTAGE (전압)	CONST. VOLTAGE CHRG. (정전압충전) 1.55V~ 1.65V/CELL, 20 °C
		CURRENT (전류)	INITIAL CHRG. AMPS. LESS THAN 8A (최대충전제한전류 8A 이하)
	FLOAT (부동)	VOLTAGE (전압)	CONST. VOLTAGE CHRG. (정전압충전) 1.40V~ 1.45V/CELL, 20 °C
		CURRENT (전류)	INITIAL CHRG. AMPS. LESS THAN 4A (최대충전제한전류 4A 이하)
OPERATING TEMP. RANGE (사용온도)		CHRG.(충전) -20~40 °C(-4~104 °F)	DCHG.(방전) -40~60 °C(-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)	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	63	54	51	44	31	18.9	13.0	8.0	5.3
1.05	53	48	46	36	28	17.5	12.5	7.8	5.1
1.10	44	41	36	32	24	15.5	12.0	7.7	4.9
1.14	33	28	26	22	18	13.5	11.0	7.2	4.7

