

POCKET TYPE NICKEL-CADMIUM BATTERY VTM1100



SPECIFICATION

NOMINAL VOLTAGE (공칭전압)		1.2V		<p>TERMINAL (단자) M20 Bolt & Nut Type</p>
NOMINAL CAPACITY (공칭용량)		1100 Ah/5HR		
DIMENSIONS (치수)	LENGTH (길이) ± 2 mm	395	(15.55 inches)	
	WIDTH (폭) ± 2 mm	185	(7.28 inches)	
	HEIGHT (높이) ± 5 mm	560	(22.04 inches)	
WEIGHT APPROX. (중량)		68 Kg		
HOUSING MATERIAL (전조재질)		ABS RESIN		
TYPE OF ELECTROLYTE (전해액형태)		KOH (Sp.Gr1.200/ 20 °C)		

CHARACTERISTICS

CAPACITY (방전용량) 20 °C (68 °F)	5 HR. 220A DCHG. 5 시간을 220A 방전 CUT-OFF 1.0V	1100 Ah	
	1 HR. 843A DCHG. 1 시간을 843A 방전 CUT-OFF 1.0V	843 Ah	
	20 MIN. 1452A DCHG. 20 분을 1452A 방전 CUT-OFF 1.0V	484 Ah	
CELL SHORT CIRCUIT CURRENT (단락전류) 20 °C (68 °F)		16500A (단락전류 16500A)	
INTERNAL RESISTANCE (내부저항) FULL CHARGED BATTERY(만충전상태) 20 C(68°F)		APPROX. 0.08 mΩ	
CAPACITY AFFECTED BY TEMPERATURE (온도에 따른방전용량)	40 °C (104 °F)	90%	(5HR. DCHG. 990 Ah)
	20 °C (68 °F)	105%	(5HR. DCHG. 1144 Ah)
	0 °C (32 °F)	78%	(5HR. DCHG. 858 Ah)
	-20 °C (-4 °F)	60%	(5HR. DCHG. 660 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)		11000A (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 220A (최대충전제한전류 220A 이하)
	FLOAT (부동)	VOLTAGE (전압)	CONST. VOLTAGE CHRG.(정전압충전) 1.40V~ 1.45V/CELL, 20 °C
		CURRENT (전류)	INITIAL CHRG. AMPS. LESS THAN 110A (최대충전제한전류 110A 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)	

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	1746	1505	1452	1286	843	518	360	220	148
1.05	1482	1356	1237	1014	798	476	347	218	141
1.10	1243	1135	1021	903	684	442	341	216	138
1.14	918	806	742	626	529	385	316	203	137

DIMENSIONS (치수)

