

FT12100 Lead-Acid Battery



■ Specification

NOMINAL VOLTAGE (공칭전압)		12V		TERMINAL (단자) mm
NOMINAL CAPACITY (공칭용량)		100Ah/10HR		
DIMENSIONS (치수)	LENGTH (길이) ± 2 mm	395	(15.55 inches)	
	WIDTH (폭) ± 2 mm	110	(4.33 inches)	
	HEIGHT (높이) ± 5 mm	287	(11.29 inches)	
WEIGHT APPROX. (중량)		32.5 Kg		
HOUSING MATERIAL (전조재질)		ABS RESIN		
TYPE OF ELECTROLYTE (전해액형태)		AGM STARED (함침식)		

■ Characteristics

CAPACITY (방전용량) 25 °C (77 °F)	20 HR. 5.40A DCHG.	20 시간을 5.40A 방전	CUT-OFF 10.80V	108 Ah	
	10 HR. 10.0A DCHG.	10 시간을 10.0A 방전	CUT-OFF 10.80V	100 Ah	
	5 HR. 16.0A DCHG.	5 시간을 16.0A 방전	CUT-OFF 10.50V	80 Ah	
	3 HR. 24.4A DCHG.	3 시간을 24.4A 방전	CUT-OFF 10.50V	73.2 Ah	
	1 HR. 60.0A DCHG.	1 시간을 60.0A 방전	CUT-OFF 9.60V	60 Ah	
INTERNAL RESISTANCE (내부저항)		FULL CHARGED BATTERY (만충전상태) 25 °C(77 °F)		APPROX. 4.8 mΩ	
CAPACITY AFFECTED BY TEMPERATURE (온도에 따른방전용량)		40 °C (104 °F)	102% (10HR. DCHG. 102 Ah)		
		25 °C (77 °F)	100% (10HR. DCHG. 100 Ah)		
		0 °C (32 °F)	85% (10HR. DCHG. 85 Ah)		
		-15 °C (5 °F)	65% (10HR. DCHG. 65 Ah)		
SELF-DISCHARGE (자기방전) 25 °C (77 °F), REMAINING CAPACITY %		1 MONTH (1개월)	95%	6 MONTH (6개월)	82%
		3 MONTH (3개월)	91%	12 MONTH (1년)	64%
MAX. DCHG. CURRENT (최대방전전류) 3 SEC. (3초)		847A (최대방전전류)			
CHARGE (충전)	CYCLE (사이클)	VOLTAGE (전압)	CONST. VOLTAGE CHRG. (정전압충전) 14.1V~14.4V/CELL, 25 °C		
		CURRENT (전류)	INITIAL CHRG. AMPS. LESS THAN 40A (최대충전제한전류 40A 이하)		
	FLOAT (부동)	VOLTAGE (전압)	CONST. VOLTAGE CHRG. (정전압충전) 13.5V~13.8V/CELL, 25 °C		
		CURRENT (전류)	INITIAL CHRG. AMPS. LESS THAN 40A (최대충전제한전류 40A 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)	250 CYCLES (250회)		
		50% DCHG. (50%방전사용)	500 CYCLES (500회)		
		30% DCHG. (30%방전사용)	1200 CYCLES (1200회)		
	FLOAT (부동)	12 YEARS (12년)			

Performance after prolonged float of fully charged for available current at 25 ± 5 °C

F.V	10Min.	15Min.	30Min.	1 Hr.	2 Hr.	3 Hr.	5 Hr.	10 Hr.	20 Hr.
9.60	211	170	114	60.0	35.0	25.7	16.5	10.50	5.67
10.20	190	160	109	56.4	33.4	25.0	16.2	10.30	5.50
10.50	170	140	102	54.6	32.6	24.4	16.0	10.10	5.45
10.80	161	130	94	52.8	31.8	23.8	15.6	10.00	5.40
11.10	150	120	84	51.0	31.0	23.0	15.2	9.50	5.10

DIMENSIONS (치수)

