

FT12180 Lead Acid Battery



■ Specification

NOMINAL VOLTAGE (공칭전압)		12V		TERMINAL(단자) mm
NOMINAL CAPACITY (공칭용량)		180 Ah/10HR		
DIMENSIONS (치수)	LENGTH (길이) ± 2 mm	560 mm (22.05 inches)		
	WIDTH (폭) ± 2 mm	125 mm (4.92 inches)		
	HEIGHT (높이) ± 5 mm	316 mm (12.44 inches)		
	TOTAL HEIGHT (총높이) ± 5 mm	316 mm (12.44 inches)		
WEIGHT APPROX. (중량)		60 Kg		
HOUSING MATERIAL (전조재질)		Fire Retardant ABS		
TYPE OF ELECTROLYTE (전해액형태)		GEL (PVC-SiO2 겔식)		

■ Characteristics

CAPACITY (방전용량) 25 °C (77 °F)	10 HR. 18A DCHG. 10 시간을 18A 방전 CUT-OFF 10.8V	180 Ah	
	5 HR. 28.8A DCHG. 5 시간을 28.8A 방전 CUT-OFF 10.5V	144 Ah	
	1 HR. 108A DCHG. 1 시간을 108A 방전 CUT-OFF 9.6V	108 Ah	
CELL SHORT CIRCUIT CURRENT (단락전류) 25 °C (77 °F)		1890A (단락전류 1890A)	
INTERNAL RESISTANCE (내부저항) FULL CHARGED BATTERY (만충전상태) 25 °C(77 °F)		APPROX. 2.3mΩ	
CAPACITY AFFECTED BY TEMPERATURE (온도에 따른방전용량)	40 °C (104 °F)	102% (10HR. DCHG. 183.6 Ah)	
	25 °C (77 °F)	100% (10HR. DCHG. 180 Ah)	
	0 °C (32 °F)	85% (10HR. DCHG. 153 Ah)	
	-15 °C (-5 °F)	65% (10HR. DCHG. 117 Ah)	
SELF-DISCHARGE (자기방전) 25 °C (77 °F), REMAINING CAPACITY %	1 MONTH (1개월)	97%	6 MONTH (6개월) 82%
	3 MONTH (3개월)	91%	12 MONTH (1년) 64%
MAX. DCHG. CURRENT (최대방전전류) 25 °C (77 °F)		788A(5s) (최대방전전류)	
CHARGE (충전)	CYCLE (사이클)	VOLTAGE (전압)	CONST. VOLTAGE CHR.G.(정전압충전) 13.1V~14.4V 25 °C
		CURRENT (전류)	INITIAL CHR.G. AMPS. LESS THAN 72A (최대충전제한전류 72A 이하)
	FLOAT (부동)	VOLTAGE (전압)	CONST. VOLTAGE CHR.G.(정전압충전) 13.5V~13.8V 25 °C
		CURRENT (전류)	INITIAL CHR.G. AMPS. LESS THAN 72A (최대충전제한전류 72A 이하)
OPERATING TEMP. RANGE (사용온도)		CHR.G.(충전) -20~40 °C(4~104 °F)	DCHG.(방전) -40~60 °C(-40~142 °F)
LIFE EXPECTANCY (수명)	CYCLE (사이클)	80% DCHG. (100%방전사용)	450 CYCLES (450회)
		50% DCHG. (50%방전사용)	700 CYCLES (700회)
		30% DCHG. (30%방전사용)	1400 CYCLES (1400회)

DIMENSIONS (치수)

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

F.V	10Min	30Min	1 Hr.	2 Hr.	3 Hr.	5 Hr.	8 Hr.	10 Hr.	20 Hr.
9.60	356	196	107.1	62.3	46.4	29.8	20.8	19.8	10.3
10.20	338	194	101.7	59.4	45.0	29.2	20.5	18.6	10.1
10.50	320	182	99.0	58.0	43.9	28.8	20.3	18.4	10.0
10.80	302	167	94.5	56.5	42.8	28.1	19.7	18.0	9.8
11.10	284	149	89.1	55.1	41.4	27.4	19.2	17.6	9.7

