

TECHNICAL SPECIFICATION MX-12700 (12 V 70 AH)

20 HOURS RATE

I N D E X		S P E C I F I C A T I O N			
NOMINAL VOLTAGE		12 V			
NOMINAL CAPACITY (20HR)		73.50 AH (DISCHARGE TO 10.50 V)			
10 HOUR RATE CAPACITY		70.70 AH (DISCHARGE TO 10.50 V)			
5 HOUR RATE CAPACITY		64.05 AH (DISCHARGE TO 10.20 V)			
1 HOUR RATE CAPACITY		44.80 AH (DISCHARGE TO 9.60 V)			
CAPACITY AFFECTED BY TEMPERATURE		30°C (86°F)	103%		
		25°C (77°F)	100%		
		10°C (50F)	90%		
		-10°C (14°F)	74%		
INTERNAL RESISTANCE		25°C FULL CHARGE	APPROX. LESS THAN 4.5 mΩ		
MAX. DISCHARGE CURRENT		280 A (CONTINUOUS)			
SELF DISCHARGE (20°C, 68°C)		AFTER 1 MONTH	5%		
		AFTER 3 MONTH	10%		
		AFTER 6 MONTH	19%		
WEIGHT		APROX. 23.7 Kg (52.31 lbs)			
WEIGHT EFFICIENCY (20HR)		35.4 WH/Kg			
VOLUME EFFICIENCY (20HR)		82.6 WH/L			
CONSTANT VOLTAGE CHARGE		FLOATING	CHARGING VOLTAGE	13.5 ~ 6.13.8 V (20°C)	
			MAX. CHARGING CURRENT	NO LIMIT	
		CYCLE	CHARGING VOLTAGE	14.4 ~ 15.0 V (20°C)	
			MAX. CHARGING CURRENT	LESS THAN 28.0 A	
BATTERY LIFE		FLOATING	AT 25°C (77°F)	6.5 YEARS	EXPECTED VALUE
			AT 35°C (95°F)	5 ~ 6 YEARS	
		CYCLE	100% DISCHARGE	260 CYCLE	
			50% DISCHARGE	600 CYCLE	
			30% DISCHARGE	1200 CYCLE	
TERMINAL TYPE		A			
BATTERY CONTAINER & COVER MATERIAL		ABS			
BATTERY TYPE		VRLA – TYPE			
DIMENSION (± 1MM)		LENGTH	13.78 INCH / 350 MM		
		WIDTH	6.54 INCH / 166.0 MM		
		HEIGHT	6.85 INCH / 174.0 MM		
		TOTAL HEIGHT	6.85 INCH / 174.0 MM		