

## TECHNICAL SPECIFICATION MX-12400 (12 V 40 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)		42.00 AH (DISCHARGE TO 10.50 V)		
10 HOUR RATE CAPACITY		40.40 AH (DISCHARGE TO 10.50 V)		
5 HOUR RATE CAPACITY		36.60 AH (DISCHARGE TO 10.20 V)		
1 HOUR RATE CAPACITY		25.60 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 8 mΩ	
MAX. DISCHARGE CURRENT		160 A (CONTINUOUS)		
SELF DISCHARGE (20°C, 68°C)		AFTER 1 MONTH	5%	
		AFTER 3 MONTH	10%	
		AFTER 6 MONTH	19%	
WEIGHT		APROX. 15.1 Kg (33.31 lbs)		
WEIGHT EFFICIENCY (20HR)		31.8 WH/Kg		
VOLUME EFFICIENCY (20HR)		84.4 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 16.0 A	
BATTERY LIFE	FLOATING	AT 25°C (77°F)	6.5 YEARS	
		AT 35°C (95°F)	5 ~ 6 YEARS	
	CYCLE	100% DISCHARGE	260 CYCLE	EXPECTED VALUE
		50% DISCHARGE	600 CYCLE	
		30% DISCHARGE	1200 CYCLE	
TERMINAL TYPE		A		
BATTERY CONTAINER & COVER MATERIAL		ABS		
BATTERY TYPE		VRLA – TYPE		
DIMENSION (± 1MM)	LENGTH	7.76 INCH / 197 MM		
	WIDTH	6.54 INCH / 166.0 MM		
	HEIGHT	6.89 INCH / 175.0 MM		
	TOTAL HEIGHT	6.89 INCH / 175.0 MM		