

TECHNICAL SPECIFICATION MX-12310 (12 V 31 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)		31.00 AH (DISCHARGE TO 10.50 V)	
10 HOUR RATE CAPACITY		28.83 AH (DISCHARGE TO 10.50 V)	
5 HOUR RATE CAPACITY		26.35 AH (DISCHARGE TO 10.20 V)	
1 HOUR RATE CAPACITY		18.60 AH (DISCHARGE TO 9.60 V)	
CAPACITY AFFECTED BY TEMPERATURE		30°C (86°F)	103%
		25°C (77°F)	100%
		10°C (50°F)	90%
		-10°C (14°F)	74%
INTERNAL RESISTANCE		25°C FULL CHARGE	APPROX. LESS THAN 10 mΩ
MAX. DISCHARGE CURRENT		124 A (CONTINUOUS)	
SELF DISCHARGE (20°C, 68°C)		AFTER 1 MONTH	5%
		AFTER 3 MONTH	10%
		AFTER 6 MONTH	19%
WEIGHT		APROX. 11.0 Kg (24.25 lbs)	
WEIGHT EFFICIENCY (20HR)		33.8 WH/Kg	
VOLUME EFFICIENCY (20HR)		86.9 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 12.4 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
		50% DISCHARGE	600 CYCLE
		30% DISCHARGE	1200 CYCLE
TERMINAL TYPE		A	
BATTERY CONTAINER & COVER MATERIAL		ABS	
BATTERY TYPE		VRLA – TYPE	
DIMENSION (± 1MM)	LENGTH	7.72 INCH / 196 MM	
	WIDTH	5.16 INCH / 131.0 MM	
	HEIGHT	6.10 INCH / 155.0 MM	
	TOTAL HEIGHT	6.89 INCH / 175.0 MM	