

## TECHNICAL SPECIFICATION MX-06100 (6 V 10 AH)

20 HOURS RATE

I N D E X		S P E C I F I C A T I O N			
NOMINAL VOLTAGE		6 V			
NOMINAL CAPACITY (20HR)		10.0 AH (DISCHARGE TO 5.25 V)			
10 HOUR RATE CAPACITY		9.30 AH (DISCHARGE TO 5.25 V)			
5 HOUR RATE CAPACITY		8.55 AH (DISCHARGE TO 5.25 V)			
1 HOUR RATE CAPACITY		6.00 AH (DISCHARGE TO 5.25 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 9 mΩ		
MAX. DISCHARGE CURRENT		40 A (CONTINUOUS)			
SELF DISCHARGE (20°C, 68°C)		AFTER 1 MONTH	5%		
		AFTER 3 MONTH	10%		
		AFTER 6 MONTH	19%		
WEIGHT		APROX. 2.12 Kg (4.67 lbs)			
WEIGHT EFFICIENCY (20HR)		28.3 WH/Kg			
VOLUME EFFICIENCY (20HR)		83.7 WH/L			
CONSTANT VOLTAGE CHARGE	FLOATING	CHARGING VOLTAGE	6.75 ~ 6.90 V (20°C)		
		MAX. CHARGING CURRENT	NO LIMIT		
	CYCLE	CHARGING VOLTAGE	7.20 ~ 7.50 V (20°C)		
		MAX. CHARGING CURRENT	LESS THAN 4.00 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	5.94 INCH / 151 MM			
	WIDTH	1.97 INCH / 50.0 MM			
	HEIGHT	3.70 INCH / 94.0 MM			
	TOTAL HEIGHT	3.98 INCH / 101.0 MM			