

12-5000X

6 Cell, 12 Volt Valve Regulated Lead Acid Battery

100 AH at 100 Hour Rate

INNOVATIVE FEATURES

Sealed

- Never requires watering
- Spillproof and leak proof
- Explosion resistant
- Horizontal or vertical operation
- No gases escape under normal charging
- Operates at low internal pressure
- Increased operating safety

Immobilized Electrolyte

- Extended partial state of charge operation (at reduced capacities)
- Freezing tolerant
- Minimized need for equalization

Proprietary MFX Alloy

- Deep cycle capability
- Long life
- Low self-discharge rate



SPECIFICATIONS

Container and Cover - Reinforced polypropylene

Separators - Spun glass, microporous matrix

Safety Vent - 4 PSI nominal, self resealing

Self-Discharge - 0.5-1.0% per week

Terminals - Heavy duty copper

Charge Voltage - 2.25-2.35 VPC @ 25°C (77°F)
 (15 amp max. current)

Positive Plate — Patented MFX alloy

Negative Plate — Lead tin

Estimated Cycle Life —

- {8 hour rate to 1.75 VPC @ 25°C (77°F)}
- 300 cycles @ 80% DOD
- 600 cycles @ 50% DOD
- 1,000 cycles @ 20% DOD

PHYSICAL CHARACTERISTICS

Type	Overall Dimensions						Weight	
	Length		Width		Height		Net Each	
	In	mm	In	mm	In	mm	Lbs	Kgs
12-5000X	12.07	307	6.87	175	8.69	221	59	27

ELECTRICAL PERFORMANCE

Type	Cells Per Unit	Nom VDC Per Unit	AH Capacity to 1.75 VPC Avg. @ 25°C (77°F)					
			1 Hr	5 Hr	8 Hr	24 Hr	48 Hr	100 Hr
12-5000X	6	12	54	72	85	93	96	100