

FL215000SL
(2V1500Ah/10hr)



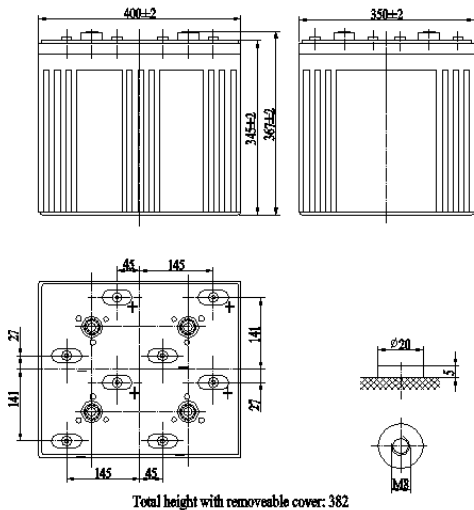
The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position

General Features

- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof .
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Application

- Alarm System
- Cable Television
- Power tools
- Emergency Power System
- Security System
- Medical Equipment
- UPS
- Communication Equipment
- Control Equipment
- Toys



CONSTRUCTION

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

TECHNOLOGY PARAMETER

Battery model	FL215000SL			
Designed Floating Life	15 Years			
Capacity (25°C)	10hR(150A, 1.80V)	5hR(270A, 1.75V)		1hR(930A, 1.60V)
	1500Ah	1350Ah		930Ah
Dimensions	Length	Width	Height	Total Height
	400 ±2mm	350 ±2mm	345 ±2mm	382 ±2mm
Approx. weight (±5%)	100Kg (220.5bs)			
Internal resistance	Full charged at 25°C: 0.25mOhms			
Self discharge	3% of capacity declined per month at 25°C (average)			
Capacity Affected by Temp.(10HR)	40 °C	25 °C	0 °C	-15 °C
	102%	100%	85%	65%
Charge Voltage (25°C)	Cycle use		Float use	
	2.35-2.45V(-5mV/°C), max. Current: 300A		2.25-2.30V(-3.3mV/°C)	

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Constant current discharge ratings-amperes at 25°C

End Point Volts/Cell	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	2048	1500	930	539	408	333	288	193	161
1.65V	1950	1433	900	521	395	324	282	190	159
1.70V	1848	1365	870	503	381	315	276	187	157
1.75V	1745	1294	833	483	366	306	270	182	153
1.80V	1640	1221	795	461	350	295	262	178	150

Constant power discharge ratings-watts at 25°C

End Point Volts/Cell	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	3451	2495	1638	975	745	608	526	362	308
1.65V	3266	2368	1563	930	723	596	520	358	304
1.70V	3077	2242	1491	887	701	585	515	354	300
1.75V	2887	2112	1446	860	679	568	501	344	292
1.80V	2695	1979	1335	794	657	554	492	339	288

