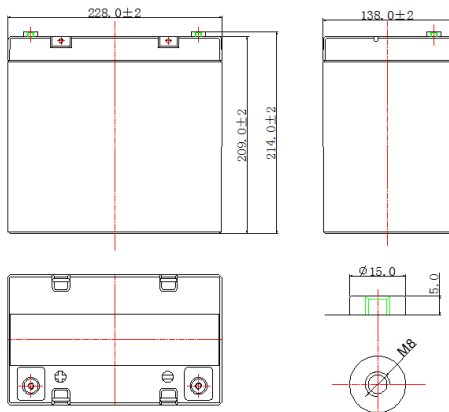




FL12550-M

(12V55Ah/10hr)



General Series

General Series Valve Regulated Lead Acid batteries are designed with AGM (Absorbent Glass Mat) technology, high performance plates and electrolyte to gain extra power output for common power backup system applications widely used in the field of UPS, Emergency Lighting System.

Application

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

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.

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	FL12550-M			
Designed Floating Life	8-10 Years			
Capacity (25°C)	10hR(5.5A, 10.8V)	5hR(9.07A, 10.5V)	1hR(34.4A, 9.60V)	
	55Ah	45.35Ah	34.4Ah	
Dimensions	Length	Width	Height	Total Height
	228 ±2mm	138 ±2mm	209 ±2mm	214 ±2mm
Approx. weight (±5%)	17.5Kg (38.58lbs)			
Internal resistance	Full charged at 25°C: Approx. 8mOhms			
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	
	14.4-14.7V(-30mV/°C), max. Current: 13.75A		13.6-13.8V(-20mV/°C)	



FL12550-M (12V55Ah/10hr)

Constant current discharge ratings-amperes at 25°C

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	178	134	102	59.9	34.4	15.1	9.89	5.67	2.97
1.65V	169	128	97.3	58.8	33.2	14.7	9.62	5.63	2.94
1.70V	159	121	92.3	57.7	31.9	14.2	9.34	5.56	2.92
1.75V	149	114	87.3	56.6	30.6	13.6	9.07	5.52	2.88
1.80V	139	108	82.3	55.5	29.4	12.9	8.79	5.50	2.85

Constant power discharge ratings-watts at 25°C

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	320	243	186	110	63.4	28.0	18.4	10.6	5.58
1.65V	302	231	176	107	60.7	27.0	17.8	10.5	5.50
1.70V	283	217	166	104	58.1	25.9	17.2	10.3	5.43
1.75V	264	203	156	102	55.5	24.7	16.6	10.1	5.33
1.80V	244	191	146	99.3	52.9	23.4	16.0	9.87	5.24

