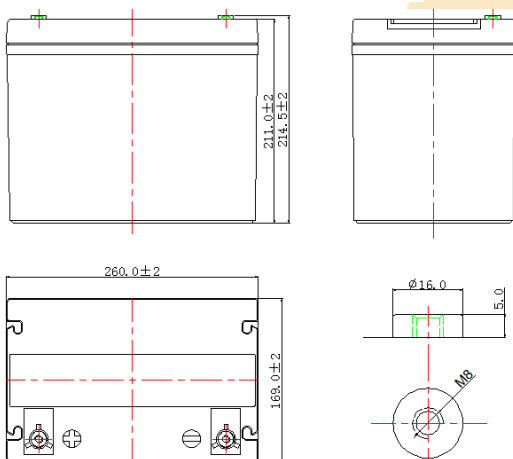


FL12800-M (12V80Ah/10hr)



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	FL12800-M			
Designed Floating Life	8-10 Years			
Capacity (25 °C)	10hR(8.0A, 10.8V)	5hR(13.6A, 10.5V)		1hR(53.2A, 9.60V)
	80Ah	68Ah		53.2Ah
Dimensions	Length	Width	Height	Total Height
	260±2mm	169±2mm	211±2mm	214.5±2mm
Approx. weight (±5%)	24.5Kg (54.01 lbs)			
Internal resistance	Full charged at 25 °C: Approx. 6.5 mOhms			
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: 20A		13.6-13.8V(-20mV/ °C)	

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 of 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.

FL12800-M (12V80Ah/10hr)

Constant current discharge ratings-amperes at 25 °C

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	283	198	151	88.5	53.2	22.7	14.9	8.25	4.24
1.65V	269	189	144	84.9	52.2	22.0	14.4	8.18	4.20
1.70V	253	179	136	81.3	50.9	21.3	14.0	8.09	4.17
1.75V	237	168	129	77.2	48.8	20.4	13.6	8.05	4.14
1.80V	221	159	122	73.3	46.4	19.4	13.2	8.00	4.11

Constant power discharge ratings-watts at 25 °C

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	510	359	275	162	97.9	42.1	27.6	15.4	7.96
1.65V	482	341	260	155	95.6	40.5	26.7	15.2	7.86
1.70V	451	320	245	147	92.7	38.9	25.8	15.0	7.76
1.75V	420	299	231	139	88.2	37.1	24.9	14.7	7.66
1.80V	390	282	216	131	83.5	35.2	24.0	14.4	7.56

