

FA Series

FA (Front access) Series batteries are designed to be used in the area of communication, which features on new technology in design, reasonable in structure and occupying the leading position in the same industry of the world. The estimated life of FA Series batteries under float service is up to 15 years. It can be employed in numerous application in the fields of telecommunications.

Application

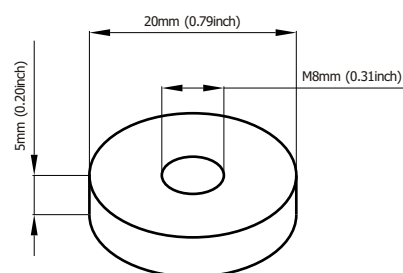
Telecom	Communication Equipment
Control Equipment	Medical Equipment
UPS	Emergency Power System

General Features

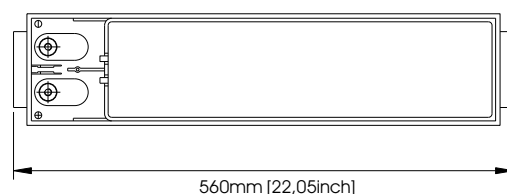
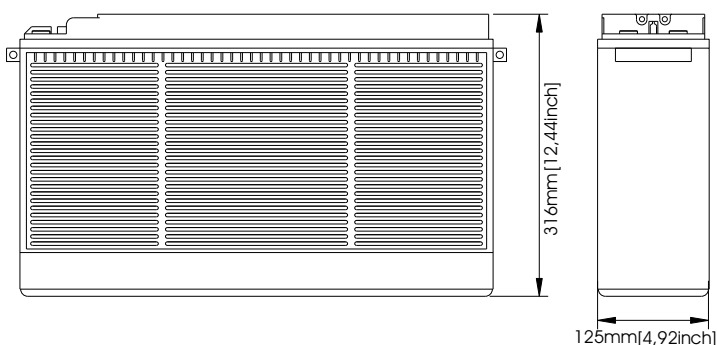
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation in relay rack trays
- High quality and high reliability
- Exceptional deep discharge recovery performance
- Flexibility design for multiple install positions

Construction

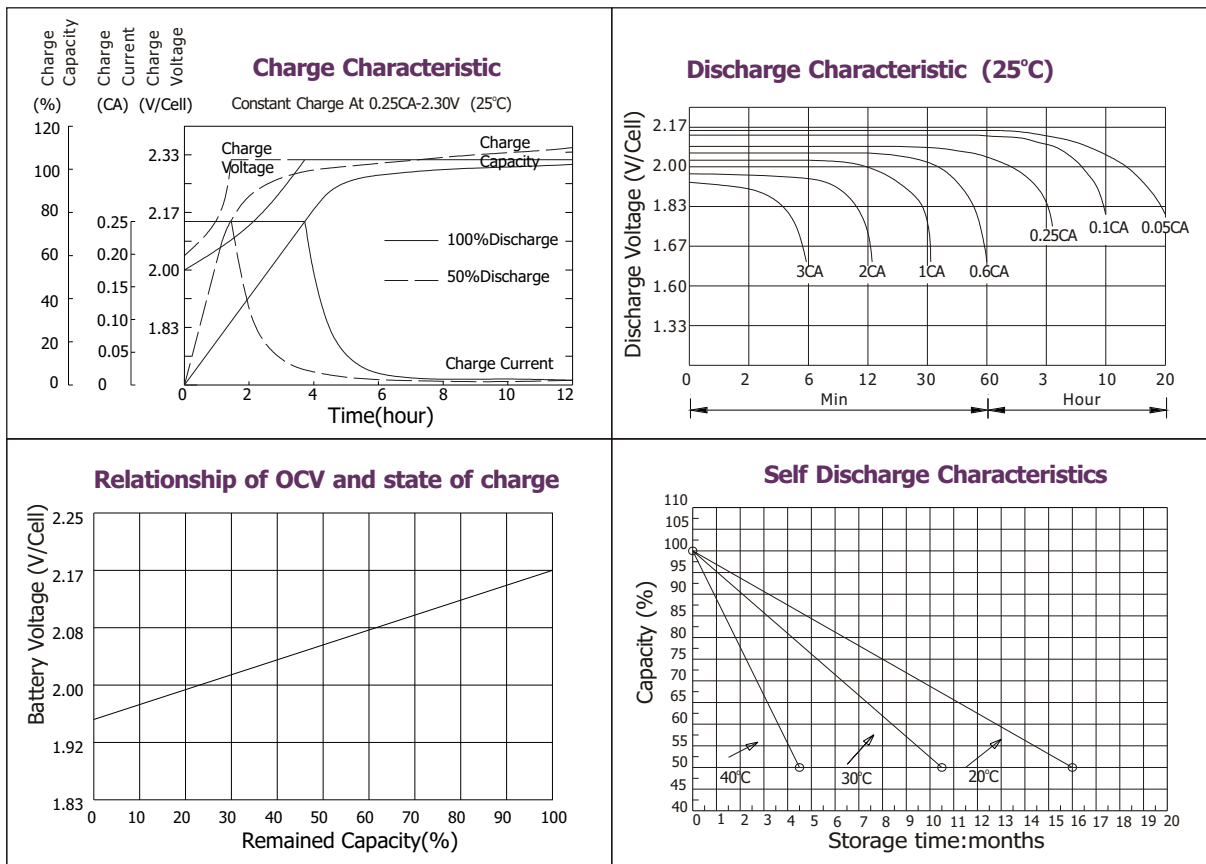
Component	Raw material	Sealant	Epoxy Resin
Positive	Lead dioxide	Safety valve	EPDR
Negative	Lead	Terminal	Copper
Container	ABS	Separator	Fiber glass
Cover	ABS	Electrolyte	Sulfuric acid



Terminal Dimensions



Battery Model	FA12-170			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(8.6A,1.75V)	10HR(17A,1.75V)	5HR(28A,1.75V)	1HR(105.4A,1.75V)
	172AH	170AH	140AH	105.4AH
Dimensions	Length	Width	Height	Total Height
	560mm(22.05inch)	125mm(4.92inch)	316mm(12.44inch)	316mm(12.44inch)
Approx. Weight	60Kg (132.30 lbs)			
Internal Resistance	Full charged at 25°C: 0.005 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-15V(-30mV/ °C), max. Current: 42.5A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	595	408	298	179	112.2	46.4	32.4	18.0	8.96
1.67V	536	372	289	173	112.0	46.2	32.2	17.8	8.93
1.70V	508	359	279	170	111.7	46.2	32.2	17.6	8.93
1.75V	452	332	264	167	110.5	45.9	31.9	17.3	8.89
1.80V	408	308	252	162	109.1	45.7	31.6	17.0	8.57
1.85V	309	253	218	149	108.0	45.6	31.4	16.7	8.35

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	981	677	527	337	221	89.1	62.1	36.1	17.9
1.67V	930	668	522	330	214	89.1	62.1	35.5	17.9
1.70V	869	651	513	321	208	89.1	62.1	35.2	17.9
1.75V	809	609	483	313	206	87.7	61.4	34.6	17.8
1.80V	726	566	454	304	203	86.5	60.4	34.0	17.1
1.85V	581	469	396	279	201	86.2	59.5	33.4	16.9

