

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

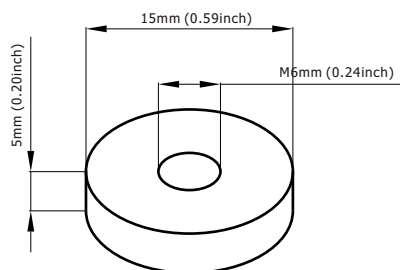
Telecom	Communication Equipment
Control Equipment	Medical Equipment
UPS	Emergency Power System

General Features

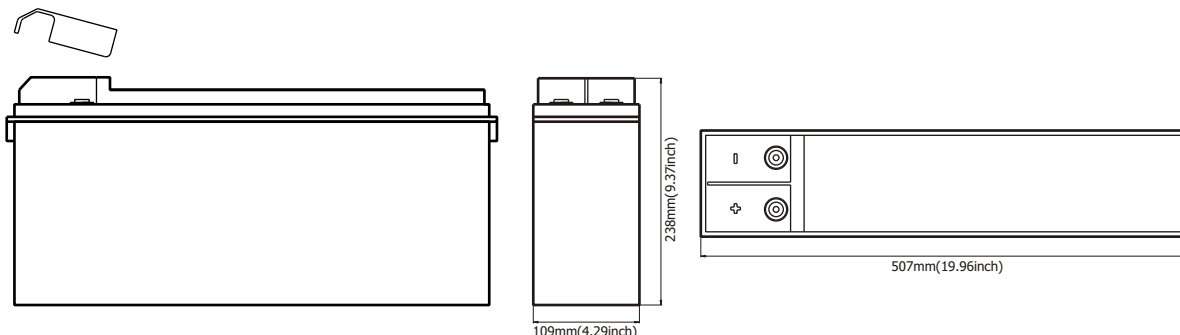
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation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

Construction

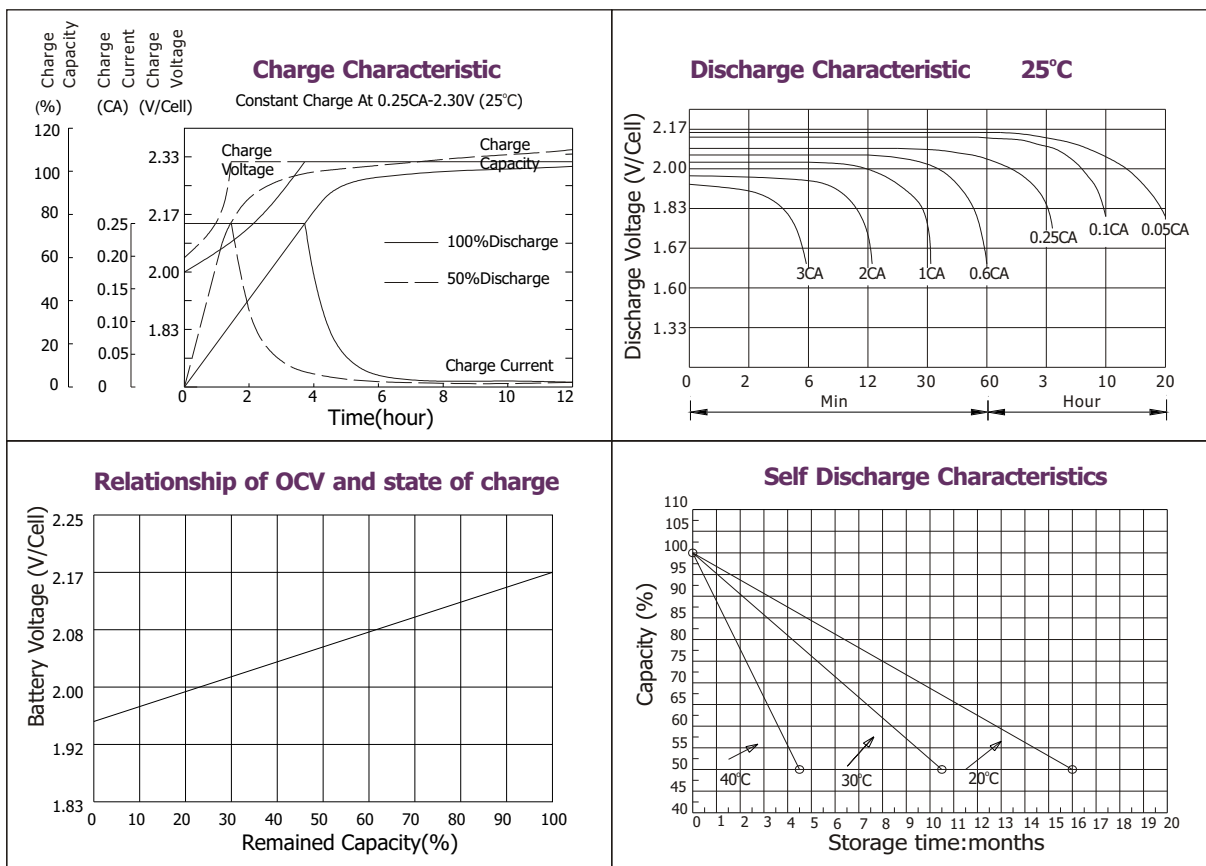
Component	Raw material	Sealant	Epoxy Resin
Positive	Lead dioxide	Safety valve	EPDR
Negative	Lead	Terminal	Copper
Container	ABS	Separator	Fiber glass
Cover	ABS	Electrolyte	Sulfuric acid



Terminal Dimensions



Battery Model	FA12-85			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(4.3A,1.75V)	10HR(8.5A,1.75V)	5HR(14.4A,1.75V)	1HR(55A,1.75V)
	86AH	85AH	72AH	55AH
Dimensions	Length	Width	Height	Total Height
	507mm(19.96inch)	109mm(4.29inch)	223mm(8.78inch)	238mm(9.37inch)
Approx. Weight	29.0 Kg (63.95 lbs)			
Internal Resistance	Full charged at 25°C: 0.0052 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: 21.2A		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	298	204	149	89.3	56.1	23.2	16.2	9.01	4.48
1.67V	268	186	145	86.7	56.0	23.1	16.1	8.88	4.46
1.70V	254	179	139	85.0	55.8	23.1	16.1	8.81	4.46
1.75V	226	166	132	83.3	55.3	23.0	16.0	8.66	4.44
1.80V	204	154	126	80.8	54.6	22.9	15.8	8.51	4.29
1.85V	155	127	109	74.3	54.0	22.8	15.7	8.36	4.21

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	490	338	264	168	111	44.5	31.0	18.0	8.96
1.67V	465	334	261	165	107	44.5	31.0	17.8	8.93
1.70V	434	326	257	161	104	44.5	31.0	17.6	8.93
1.75V	405	304	241	156	103	43.9	30.7	17.3	8.89
1.80V	363	283	227	152	101	43.3	30.2	17.0	8.73
1.85V	291	235	198	139	100	43.1	29.8	16.7	8.58

