

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

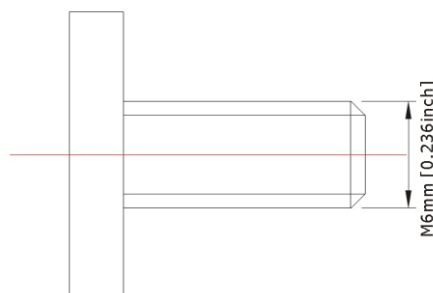
Telecom	Communication Equipment
Control Equipment	Medical Equipment
UPS	Emergency Power System

General Features

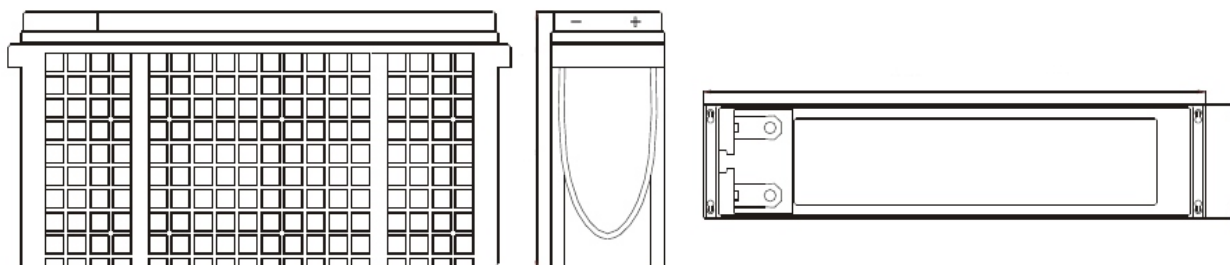
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation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

Construction

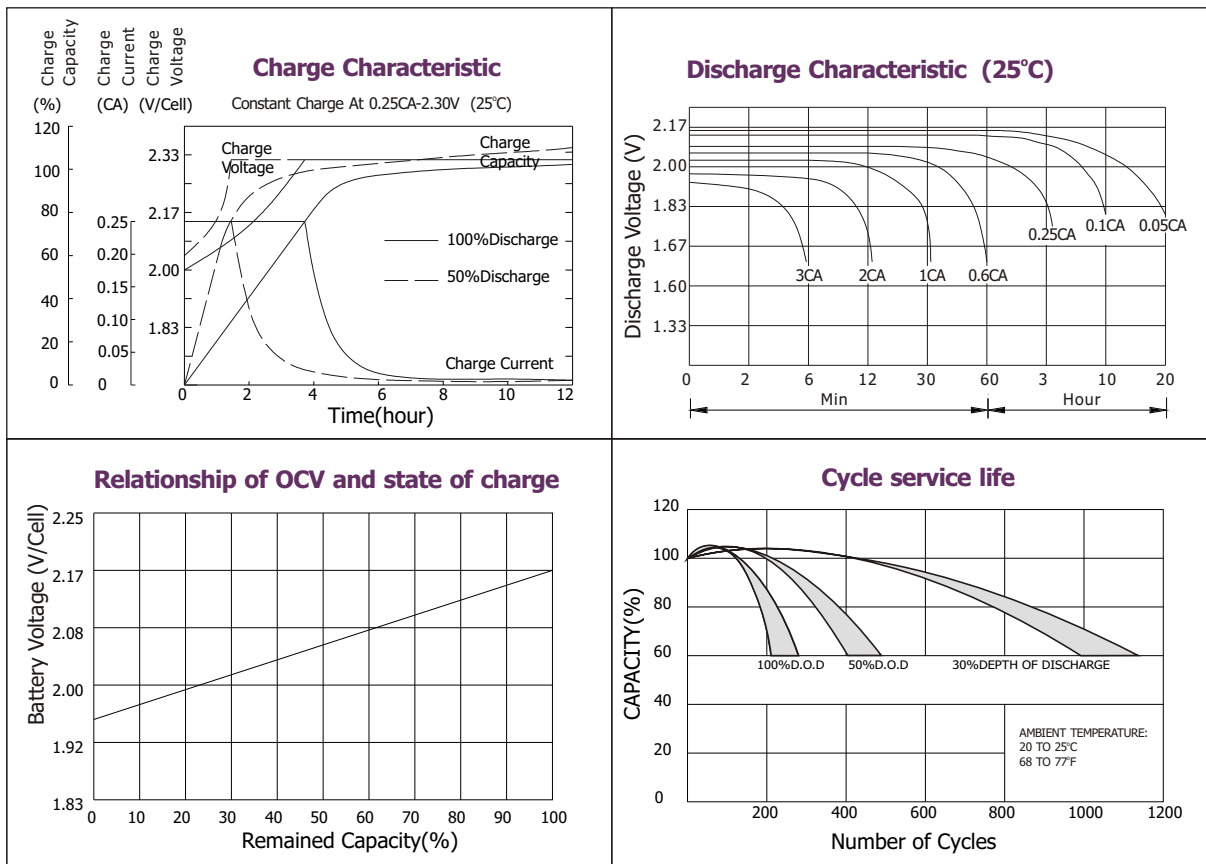
Component	Raw material	Sealant	Epoxy Resin
Positive	Lead dioxide	Safety valve	EPDR
Negative	Lead	Terminal	Copper
Container	ABS	Separator	Fiber glass
Cover	ABS	Electrolyte	Sulfuric acid



Terminal Dimensions



Battery Model	FA12-155			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(7.8A,1.75V)	10HR(15.5A,1.75V)	5HR(27.8A,1.75V)	1HR(88A,1.75V)
	156AH	155AH	139AH	88AH
Dimensions	Length	Width	Height	Total Height
	558mm(21.96inch)	124mm(4.88inch)	283mm(11.14inch)	283mm(11.14inch)
Approx. Weight	54Kg (119.07 lbs)			
Internal Resistance	Full charged at 25°C: 0.00387 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
	105%	100%	85%	68%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-15V(-30mV/ °C), max. Current: 37.5A		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	543	372	271	163	102	42.3	29.6	16.4	8.17
1.67V	488	339	264	158	102	42.2	29.3	16.2	8.14
1.70V	463	327	254	155	102	42.2	29.3	16.1	8.14
1.75V	412	302	240	152	101	41.9	29.1	15.8	8.10
1.80V	372	281	229	147	99.5	41.7	28.9	15.5	7.82
1.85V	282	231	198	135	98.4	41.5	28.6	15.2	7.35

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	894	617	481	307	202	81.2	56.6	32.9	16.3
1.67V	848	609	476	301	195	81.2	56.6	32.4	16.3
1.70V	792	594	468	293	190	81.2	56.6	32.1	16.3
1.75V	738	555	440	285	188	80.0	56.0	31.6	16.2
1.80V	662	516	414	277	185	78.9	55.0	31.0	15.6
1.85V	530	428	361	254	183	78.6	54.3	30.5	14.7

