

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

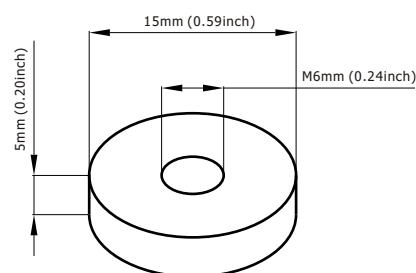
Telecom	Communication Equipment
Control Equipment	Medical Equipment
UPS	Emergency Power System

General Features

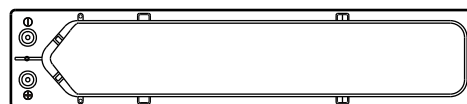
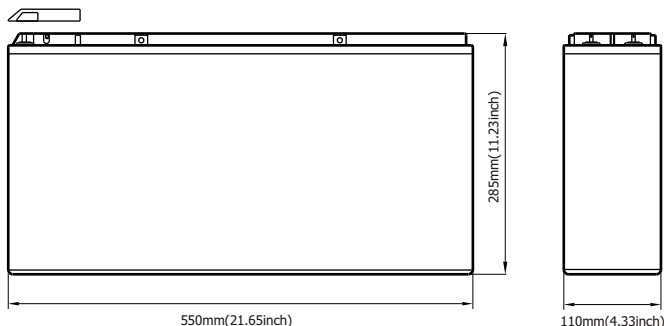
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation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

Construction

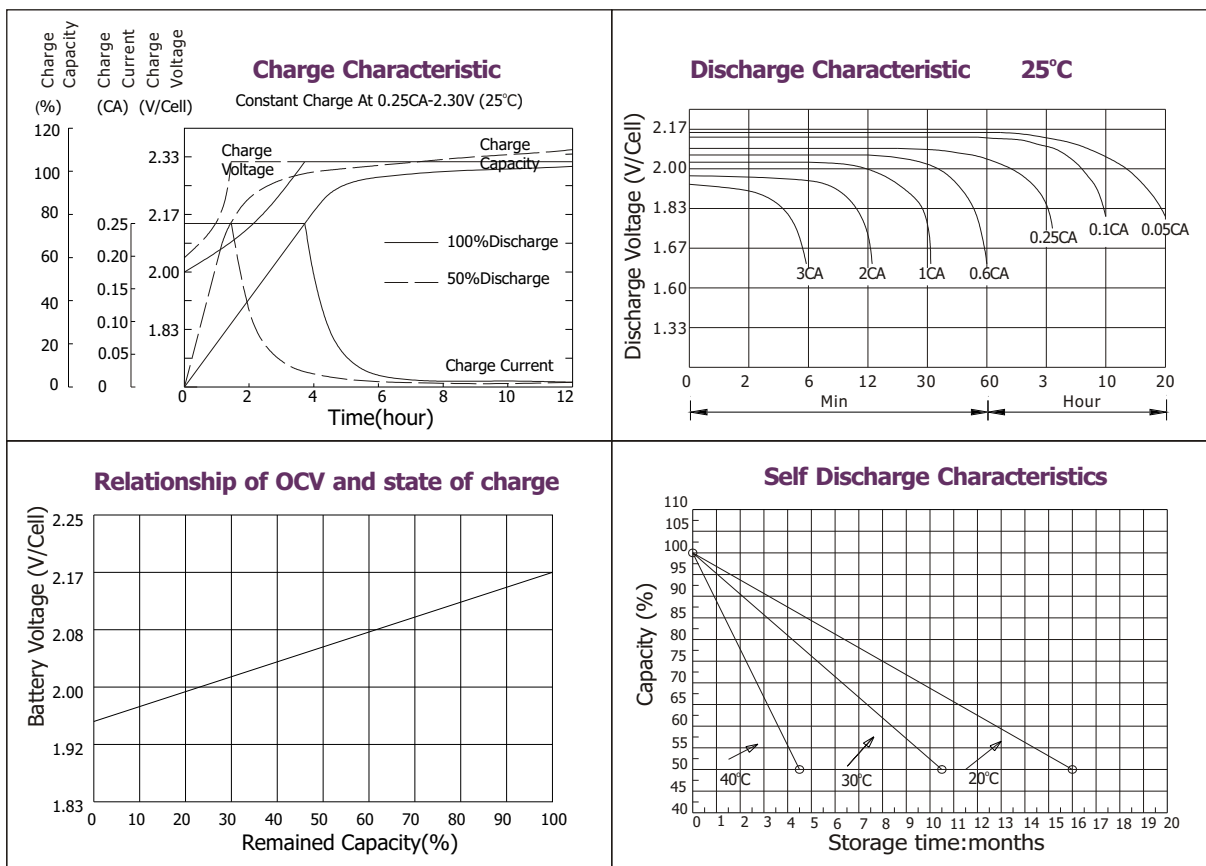
Component	Raw material	Sealant	Epoxy Resin
Positive	Lead dioxide	Safety valve	EPDR
Negative	Lead	Terminal	Copper
Container	ABS	Separator	Fiber glass
Cover	ABS	Electrolyte	Sulfuric acid



Terminal Dimensions



Battery Model	FA12-150			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(7.55A,1.75V)	10HR(15A,1.75V)	5HR(27A,1.75V)	1HR(97A,1.75V)
	151AH	150AH	135AH	97AH
Dimensions	Length	Width	Height	Total Height
	550mm(21.65inch)	110mm(4.33inch)	285mm(11.23inch)	285mm(11.23inch)
Approx. Weight	47.0Kg (103.64 lbs)			
Internal Resistance	Full charged at 25°C: 0.004 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: 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	525	360	263	158	99.0	41.0	28.6	15.9	7.91
1.67V	473	329	255	153	98.9	40.8	28.4	15.7	7.88
1.70V	449	317	246	150	98.6	40.8	28.4	15.5	7.88
1.75V	399	293	233	147	97.5	40.5	28.2	15.3	7.84
1.80V	360	272	222	143	96.3	40.4	27.9	15.0	7.56
1.85V	273	224	192	131	95.3	40.2	27.7	14.7	7.37

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	866	597	465	297	195	78.6	54.8	31.8	15.8
1.67V	821	590	461	291	189	78.6	54.8	31.3	15.8
1.70V	767	575	453	284	184	78.6	54.8	31.1	15.8
1.75V	714	537	426	276	182	77.4	54.2	30.6	15.7
1.80V	641	500	401	269	179	76.4	53.3	30.0	15.1
1.85V	513	414	350	246	177	76.1	52.5	29.5	14.9

