

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

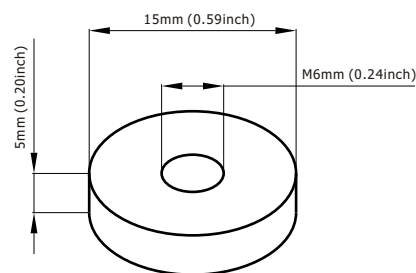
Telecom	Communication Equipment
Control Equipment	Medical Equipment
UPS	Emergency Power System

General Features

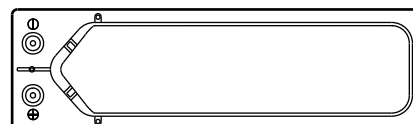
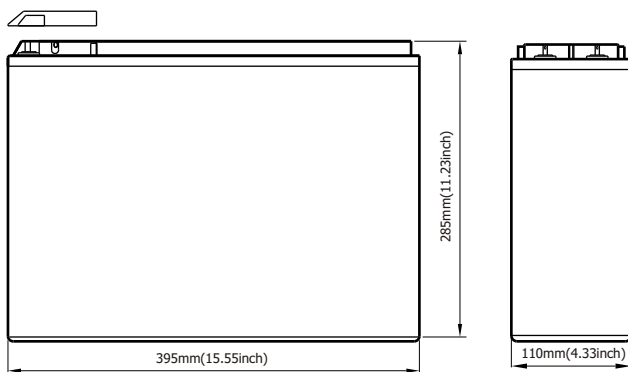
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation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

Construction

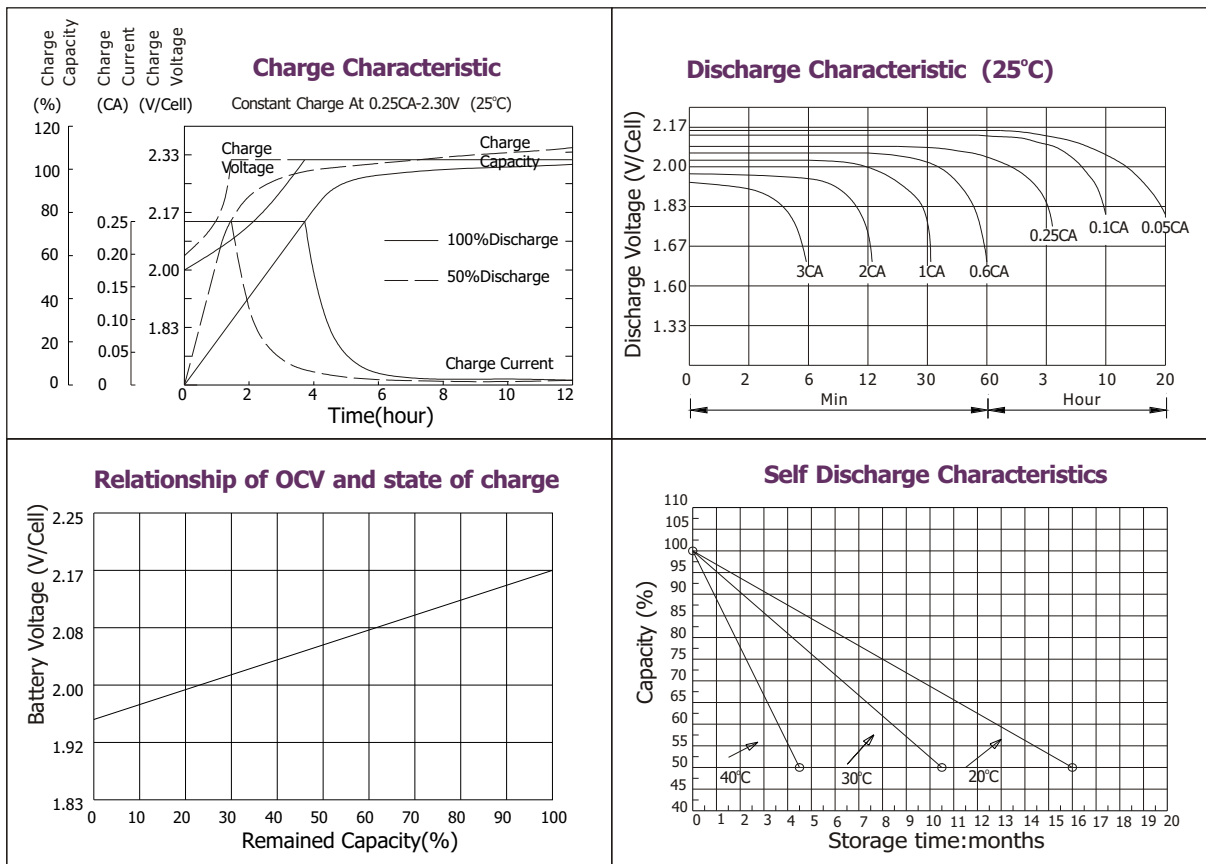
Component	Raw material	Sealant	Epoxy Resin
Positive	Lead dioxide	Safety valve	EPDR
Negative	Lead	Terminal	Copper
Container	ABS	Separator	Fiber glass
Cover	ABS	Electrolyte	Sulfuric acid



Terminal Dimensions



Battery Model	FA12-105			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(5.3A,1.75V)	10HR(10.5A,1.75V)	5HR(17.32A,1.75V)	1HR(65A,1.75V)
	106AH	105AH	86.6AH	65AH
Dimensions	Length	Width	Height	Total Height
	395mm(15.55inch)	110mm(4.33inch)	285mm(11.23inch)	285mm(11.23inch)
Approx. Weight	34.5Kg (76.07 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: 26A		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	367.5	252	184	110	69.3	28.665	20.0	11.1	5.81
1.67V	330.75	230	179	107	69.2	28.56	19.9	11.0	5.79
1.70V	313.95	222	172	105	69.0	28.56	19.9	10.9	5.79
1.75V	279.3	205	163	102.9	68.3	28.4	19.7	10.7	5.76
1.80V	252	190	155	99.8	67.4	28.245	19.5	10.5	5.56
1.85V	191.1	156	134	91.8	66.7	28.14	19.4	10.3	5.42

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	606	418	326	208	136.5	55.02	38.33	22.3	11.1
1.67V	574	413	322	204	132.0	55.02	38.33	21.9	11.0
1.70V	537	402	317	198	128.5	55.02	38.33	21.8	11.0
1.75V	500	376	298	193	127.4	54.18	37.91	21.4	11.0
1.80V	448	350	280	188	125.2	53.445	37.28	21.0	10.6
1.85V	359	290	245	172	124.0	53.235	36.75	20.6	10.36

