

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

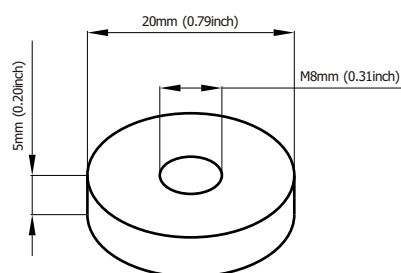
Telecom	Communication Equipment
Control Equipment	Medical Equipment
UPS	Emergency Power System

General Features

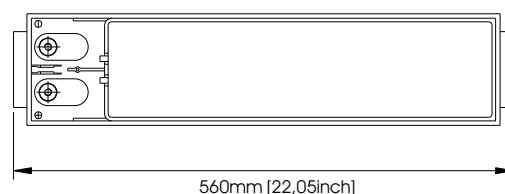
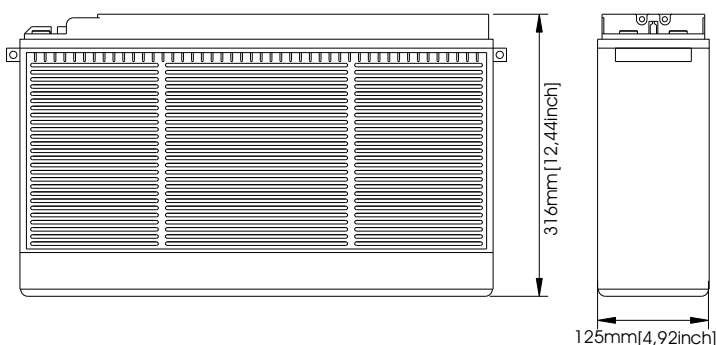
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation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

Construction

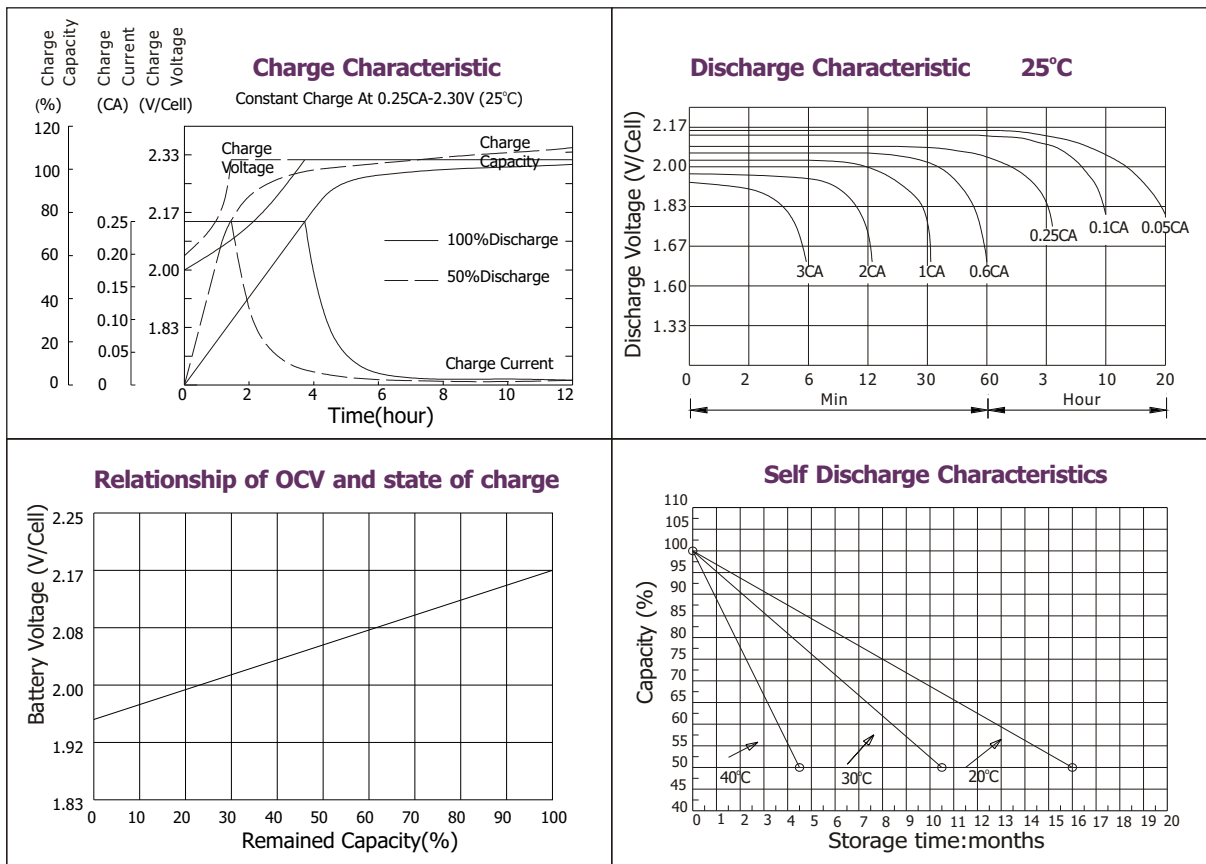
Component	Raw material	Sealant	Epoxy Resin
Positive	Lead dioxide	Safety valve	EPDR
Negative	Lead	Terminal	Copper
Container	ABS	Separator	Fiber glass
Cover	ABS	Electrolyte	Sulfuric acid



Terminal Dimensions



Battery Model	FA12-180			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(9.1A,1.75V)	10HR(18A,1.75V)	5HR(29.7A,1.75V)	1HR(112A,1.75V)
	182AH	180AH	148.5AH	112AH
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: 0.004 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: 45A		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	630	432	315	189	118.8	49.1	34.3	19.1	9.49
1.67V	567	394	306	184	118.6	49.0	34.1	18.8	9.45
1.70V	538	380	295	180	118.3	49.0	34.1	18.7	9.45
1.75V	479	351	279	176	117.0	48.6	33.8	18.3	9.41
1.80V	432	326	266	171	115.6	48.4	33.5	18.0	9.08
1.85V	328	268	230	157	114.3	48.2	33.2	17.7	8.84

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	1039	716	558	356	234	94.3	65.7	38.2	19.0
1.67V	985	707	553	349	226	94.3	65.7	37.6	18.9
1.70V	920	689	544	340	220	94.3	65.7	37.3	18.9
1.75V	857	644	511	331	218	92.9	65.0	36.7	18.8
1.80V	769	599	481	322	215	91.6	63.9	36.0	18.2
1.85V	616	497	419	295	213	91.3	63.0	35.4	17.9

