



**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**

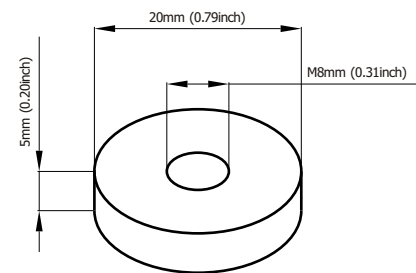
- Telecom
- Control Equipment
- UPS
- Communication Equipment
- Medical Equipment
- Emergency Power System

**General Features**

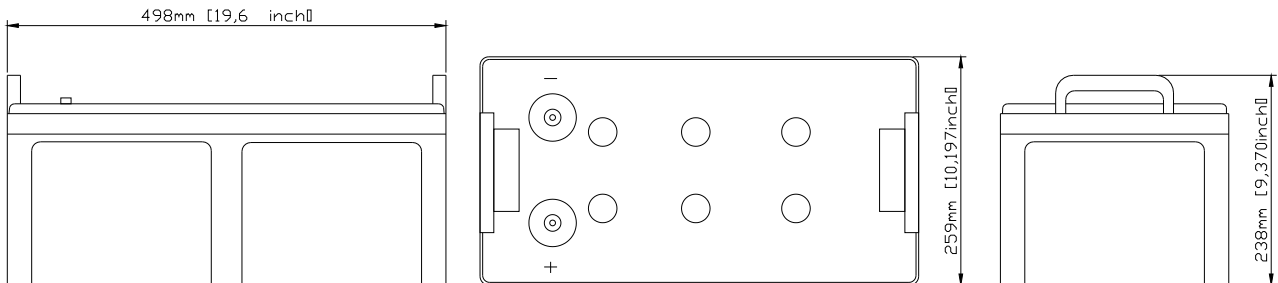
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation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

**Construction**

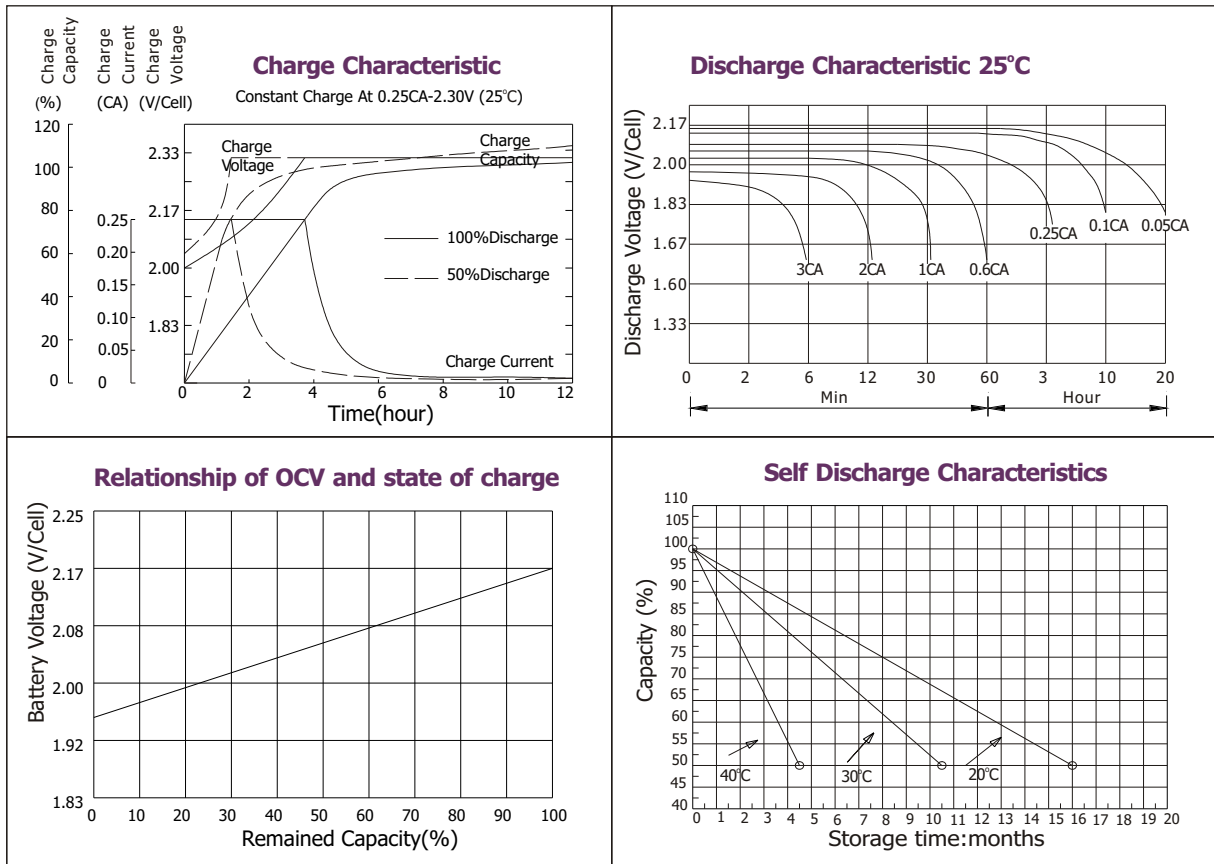
- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy Resin
- Safety valve .....EPDR
- Terminal .....Copper
- Separator .....Fiber glass
- Electrolyte .....Sulfuric acid



**Terminal Dimensions**



Battery Model	FA12-200			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(10.1A,1.75V)	10HR(20A,1.75V)	5HR(33A,1.75V)	1HR(124A,1.75V)
	202AH	200AH	165AH	124AH
Dimensions	Length	Width	Height	Total Height
	498mm(19.6inch)	259mm(10.20inch)	238mm(9.37inch)	238mm(9.37inch)
Approx. Weight	74Kg (163.2 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: 50A		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	700	480	350	210	132.0	54.6	38.2	21.2	10.5
1.67V	630	438	340	204	131.8	54.4	37.8	20.9	10.5
1.70V	598	422	328	200	131.4	54.4	37.8	20.7	10.5
1.75V	532	390	310	196	130.0	54.0	37.5	20.4	10.5
1.80V	480	362	296	190	128.4	53.8	37.2	20.0	10.1
1.85V	364	298	256	175	127.0	53.6	36.9	19.7	9.9

**Constant power discharge ratings-watts at 25°C**

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	1154	796	620	396	260	104.8	73.0	42.4	21.1
1.67V	1094	786	614	388	251	104.8	73.0	41.8	21.0
1.70V	1022	766	604	378	245	104.8	73.0	41.5	21.0
1.75V	952	716	568	368	243	103.2	72.2	40.7	20.9
1.80V	854	666	534	358	238	101.8	71.0	40.0	20.2
1.85V	684	552	466	328	236	101.4	70.0	39.3	19.8

