

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.

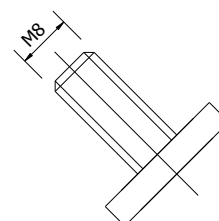
Application

Telecom	Communication Equipment
Control Equipment	Medical Equipment
UPS	Emergency Power System



General Features

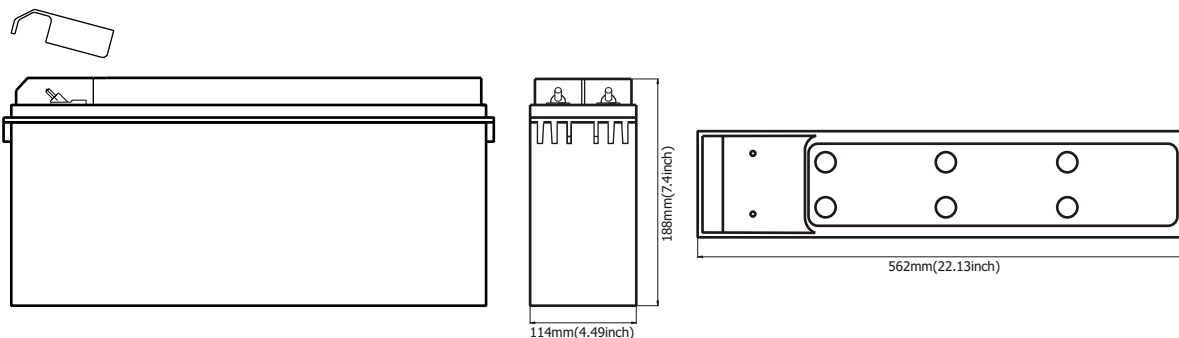
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation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



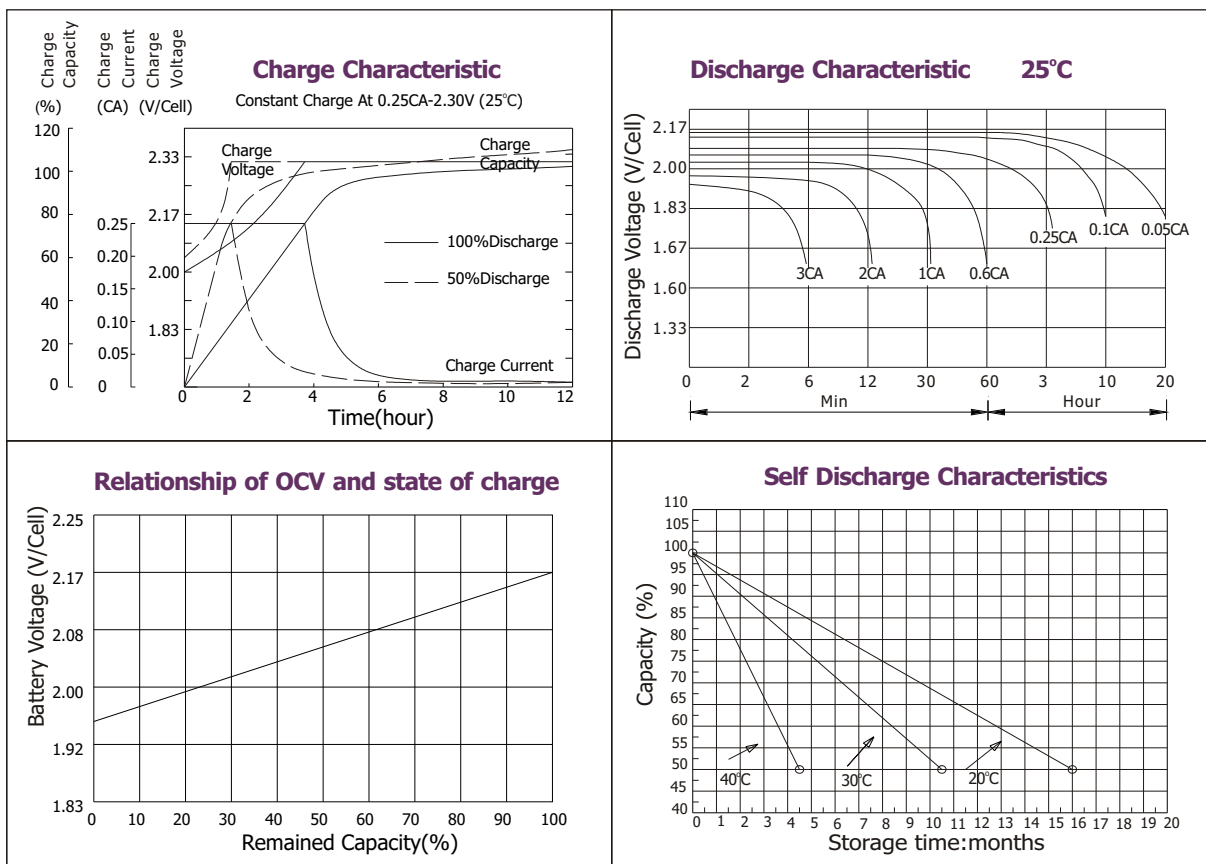
Construction

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	FA12-75			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(3.85A,1.75V)	10HR(7.5A,1.75V)	5HR(12.8A,1.75V)	1HR(48.8A,1.75V)
	77AH	75AH	64AH	48.8AH
Dimensions	Length	Width	Height	Total Height
	562mm(22.13inch)	114mm(4.49inch)	188mm(7.4inch)	188mm(7.4inch)
Approx. Weight	24.0Kg (52.92 lbs)			
Internal Resistance	Full charged at 25°C: 0.0052 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: 19A		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	263	180	131	78.8	49.5	20.5	14.3	7.95	3.95
1.67V	236	164	128	76.5	49.4	20.4	14.2	7.83	3.94
1.70V	224	158	123	75.0	49.3	20.4	14.2	7.77	3.94
1.75V	200	146	116	73.5	48.8	20.3	14.1	7.64	3.92
1.80V	180	136	111	71.3	48.2	20.2	14.0	7.51	3.78
1.85V	137	112	96.0	65.6	47.6	20.1	13.8	7.37	3.56

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	433	299	233	149	97.5	39.3	27.4	15.9	7.91
1.67V	410	295	230	146	94.3	39.3	27.4	15.7	7.88
1.70V	383	287	227	142	91.8	39.3	27.4	15.5	7.88
1.75V	357	269	213	138	91.0	38.7	27.1	15.3	7.84
1.80V	320	250	200	134	89.4	38.2	26.6	15.0	7.56
1.85V	257	207	175	123	88.6	38.0	26.3	14.7	7.11

