

Front Access SLA Battery

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

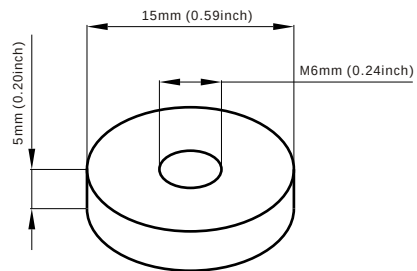
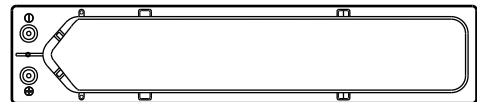
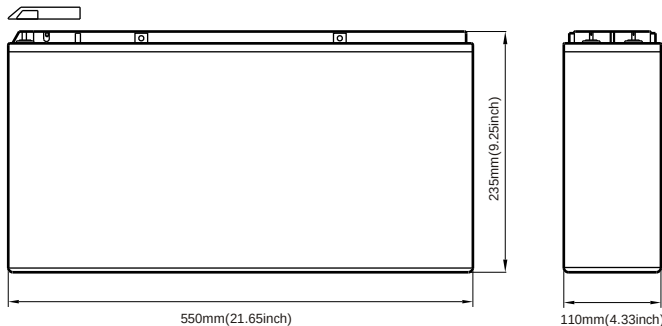
Telecom	Communication Equipment
Control Equipment	Medical Equipment
UPS	Emergency Power System

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

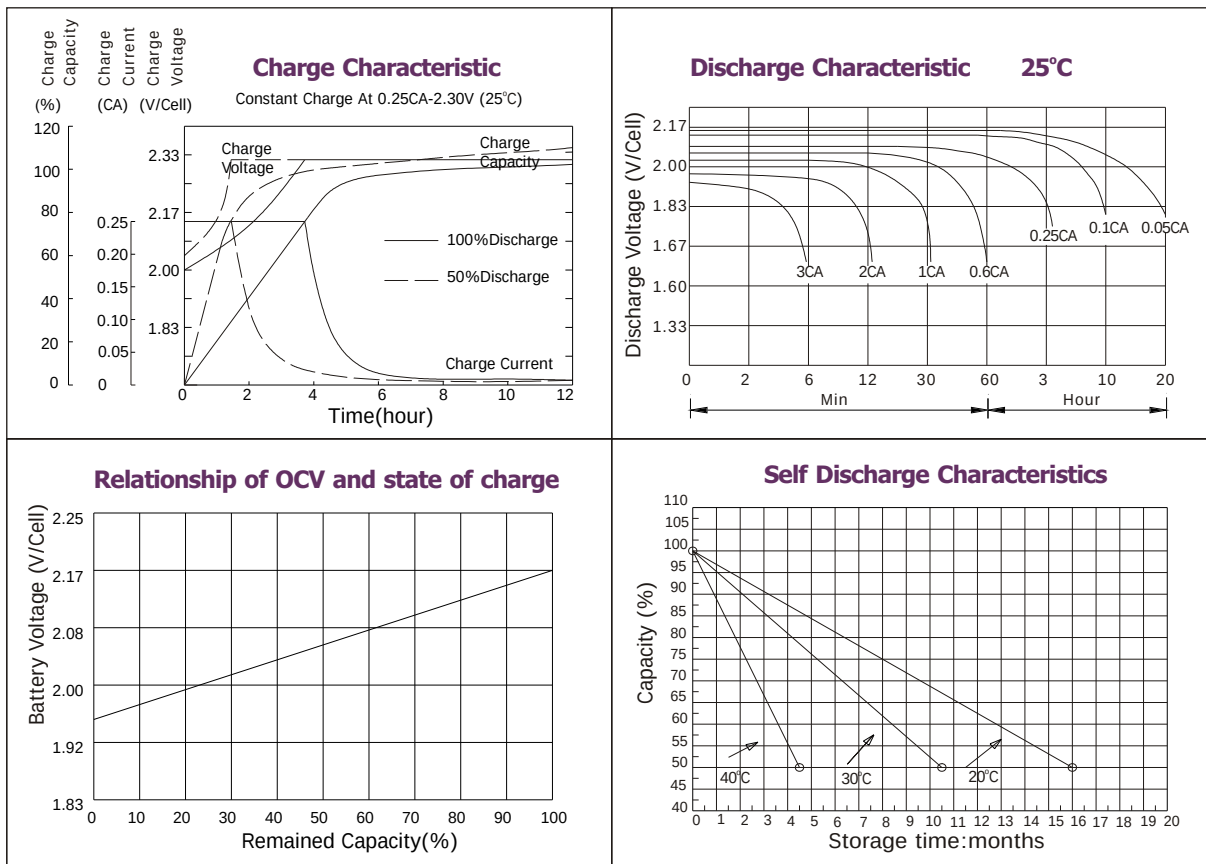
Construction

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	FA12-120			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(6.05A,1.75V)	10HR(12A,1.75V)	5HR(18A,1.75V)	1HR(69A,1.75V)
	121AH	120AH	90AH	69AH
Dimensions	Length	Width	Height	Total Height
	550mm(21.65inch)	110mm(4.33inch)	235mm(9.25inch)	235mm(9.25inch)
Approx. Weight	39.5Kg (87.10 lbs)			
Internal Resistance	Full charged at 25°C: 0.0045 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: 30A		13.6-13.8V(-20mV/ °C)	

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Constant current discharge ratings-amperes at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	420	288	210	126	79.2	32.8	22.9	12.7	6.32
1.67V	378	263	204	122	79.1	32.6	22.7	12.5	6.30
1.70V	359	253	197	120	78.8	32.6	22.7	12.4	6.30
1.75V	319	234	186	118	78.0	32.4	22.5	12.2	6.27
1.80V	288	217	178	114	77.0	32.3	22.3	12.0	6.05
1.85V	218	179	154	105	76.2	32.2	22.2	11.8	5.93

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	692	478	372	238	156	62.9	43.8	25.5	12.6
1.67V	656	472	368	233	151	62.9	43.8	25.1	12.6
1.70V	613	460	362	227	147	62.9	43.8	24.9	12.6
1.75V	571	430	341	221	146	61.9	43.3	24.4	12.5
1.80V	512	400	320	215	143	61.1	42.6	24.0	12.1
1.85V	410	331	280	197	142	60.8	42.0	23.6	11.9

