

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

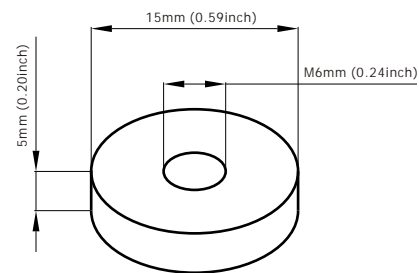
- Telecom
- Control Equipment
- UPS
- Communication Equipment
- Medical Equipment
- Emergency Power System

General Features

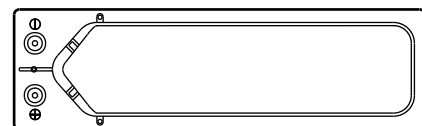
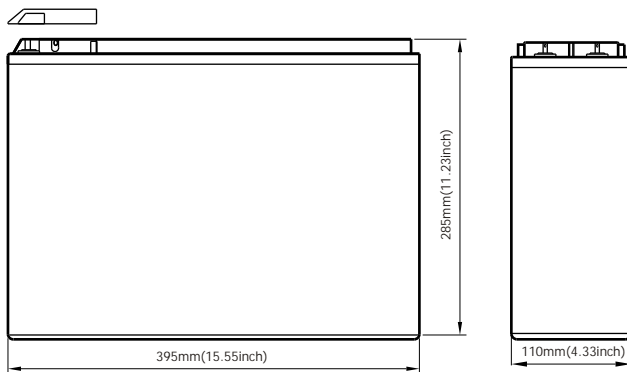
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation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

Construction

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid

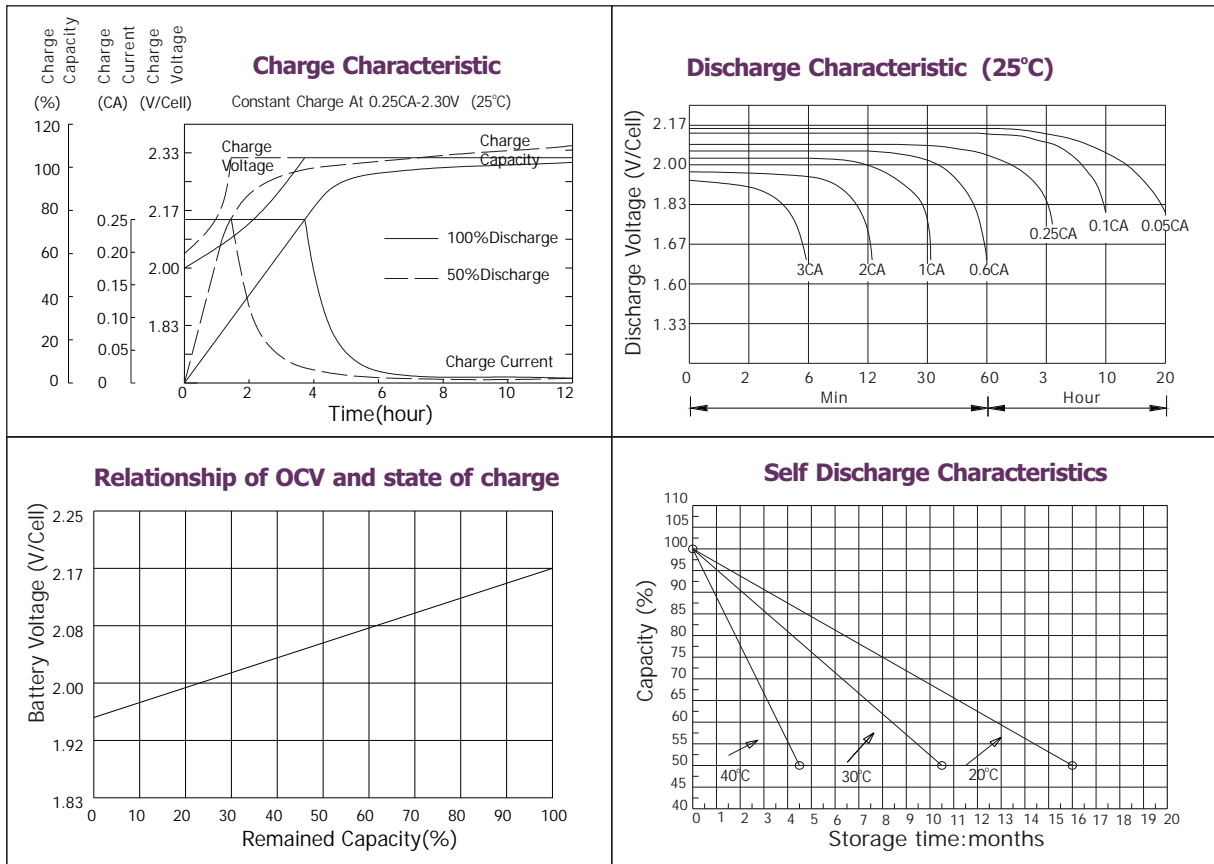


Terminal Dimensions



Battery Model	FA12-100			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(5.04A,1.75V)	10HR(10A,1.75V)	5HR(16.5A,1.75V)	1HR(62A,1.75V)
	101AH	100AH	82.5AH	62AH
Dimensions	Length	Width	Height	Total Height
	395mm(15.55inch)	110mm(4.33inch)	285mm(11.23inch)	285mm(11.23inch)
Approx. Weight	33.0Kg (72.8 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: 25A		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	350	240	175	105	66.0	27.3	19.1	10.6	5.27
1.67V	315	219	170	102	65.9	27.2	18.9	10.4	5.25
1.70V	299	211	164	100	65.7	27.2	18.9	10.4	5.25
1.75V	266	195	155	98.0	65.0	27.0	18.8	10.2	5.23
1.80V	240	181	148	95.0	64.2	26.9	18.6	10.0	5.04
1.85V	182	149	128	87.4	63.5	26.8	18.5	9.8	4.92

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	577	398	310	198	130.0	52.4	36.5	21.2	10.5
1.67V	547	393	307	194	125.7	52.4	36.5	20.9	10.5
1.70V	511	383	302	189	122.4	52.4	36.5	20.7	10.5
1.75V	476	358	284	184	121.3	51.6	36.1	20.4	10.5
1.80V	427	333	267	179	119.2	50.9	35.5	20.0	10.1
1.85V	342	276	233	164	118.1	50.7	35.0	19.7	9.87

