

Front Terminal Gel Battery

📡 Brief Introduction

CSBattery FB12 (Front Terminal) Series is especially designed for telecommunication use with 12-15 years design life in float service. By combining the newly developed paste formula with AGM structures, The FB Series features 10 years design life and Front Access connection for fast, easy installation and maintenance. This series is highly suited for telecom applications, UPS systems and other back up applications.



📡 Complied Standards

IEC60896-21/22	BS6290part4
JISC8704	GB/T19638
IEC61427	CE/ISO

📡 Technical Specifications

Nominal Voltage	12V	
Design Floating Life @25°C	12-15 Years	
Nominal Capacity @25°C(10 hour rate@1.8V)	100%C (Ah)	
	20hour rate (1.8V)	106%C (Ah)
	5 hour rate (1.8V)	88%C(Ah)
	1 hour rate (1.75V)	63.8C(Ah)
Capacity @25°C	Full Charged Battery@25°C	≤0.059*C(mΩ)
	Discharge	-25°C~45°C
Internal Resistance	Charge	-25°C~45°C
	Storage	-25°C~45°C
	Max.Discharge Current@25°C	6C (5s)
Capacity affected by Temperature (10 hour)	40°C	108%
	25°C	100%
	0°C	90%
	-15°C	70%
Self-Discharge@25°Cper Month	3%	
Charge (Constant Voltage) @25°C	Standby Use	Initial Charging Current Less than C*0.25A Voltage 13.6-13.8V
	Cycle Use	Initial Charging Current Less than C*0.25A Voltage 14.4-14.9V

📡 Applications

- Telecom System, BT Tower
- UPS System, EPS System
- Solar&Wind Energy System, Pump
- Communication Equipments
- Wheel chair, Golf Car, Sweeper
- Electric Powered Vehicles
- Power Tools, Control System

📡 General features

- Wide operating temperature range from -15°C to 60°C
- Nano gel electrolyte and long Floating service Life
- Front access terminal with standard width for 19" and 23" ETSI racks;
- High power density
- Long float service life
- Low self discharge

📡 Battery Construction

Component	Positive plate	Negative plate	Container &Cover	Safety valve
Features	Thick high Sn low Ca grid with Special paste	Balanced Pb-Ca grid for improved recombination efficiency	Fire resistance ABS (UL94-V0optional)	Flame Si-Rubber and aging resistance
Component	Terminal	Separator	Electrolyte	Pillar seal
Features	Female Copper Insert M8	Advanced PVC/AGM separator for high pressure cell design	German Evonik Silicon GEL	Two layers epoxy resin seal

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FB12 12V Battery Items specifications

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Net Weight kgs	Gross Weight kgs	Terminal
			Length	Width	Height	Total Height			
FB12-55G	12	55	277	106	223	223	16.1	16.4	M6
FB12-80G	12	80	562	114	188	188	25.1	25.4	M6
FB12-100G	12	100	507	110	223	223	29.6	30	M8
FB12-105G	12	105	394	110	286	286	30.7	31.1	M8
FB12-125G	12	125	552	110	239	239	38.2	38.6	M8
FB12-150G	12	150	551	110	288	288	44.2	44.7	M8
FB12-160G	12	160	551	110	288	288	44.7	45.2	M8
FB12-175G	12	175	546	125	316	323.5	53.7	54.2	M8
FB12-180G	12	180	560	125	316	316	55.2	55.7	M8
FB12-200BG	12	200	560	125	316	316	57.2	57.7	M8
FB12-200AG	12	200	560	125	316	316	58.2	58.7	M8



Performance Characteristics

