

AGM battery, AA-F type

lifetime >10years

Description

- Valve regulated lead acid battery VRLA
- Positive and negative grid electrodes are made from high quality lead and calcium alloy
- Electrolyte is dilute sulphuric acid absorbed in active mass pores and in micro porosity separator
- Micro porosity separators are from soft glass fibre and ensure very low inside resistance and optimal electrolyte absorbability also
- Each cell has one-way safety pressure valve
- Preparedness to external gas diversion
- Safety fireproof equipment
- Produce as 12V blocks
- Operation temperature from - 20°C up to + 60°C
- Charging temperature from 0°C up to + 50°C
- Storage temperature from - 20°C up to + 60°C



Advantages

- Front terminal battery
- Low internal resistance
- Lower self-discharge, less than 3% per month by 25°C
- Longer lifetime
- High energy density
- Excellent performance and price
- Very low service costs
- Containers and lids are from ABS plastic – fire resistant, split resistant, so suitable for each electronic equipment
- Resistant to overloading, discharging, vibrations, collisions
- Suitable for using as permanent charging stationary battery
- High quality and reliability
- Easy maintenance

Electric description

- Standby use with 20°C: 2,25 – 2,30V per cell
- Maintenance temperature compensation: -2.5mV/°C per cell
- Storing without charging: 3-6 months
- Quickly charging: 2,4±0,02 V per cell

Final discharging voltage V/cell	1.75V	1.70V	1.60V
Discharging current	(A) ≤ 0.2C	0.2C <(A) < 1.0C	(A) ≥ 1.0C

Applications

- Communication equipment
- Backup in energetic
- Power plant
- Firefighting and safety systems
- Backup power - UPS
- Telecommunication systems
- Cash register
- Electronic test equipment
- Checking equipment
- Medical equipment
- Marine equipment
- Solar and wind

Technical data

TYPE	Nomin. Voltage [V]	Capacity [Ah] C ₁₀ by 1,8V per cell	Dimensions[mm]				Weight [kg]	Outlet	Max current [A]		Internal resistance [mΩ]
			l	w	h1	h2			Disch.	Charg.	
AA12-55F	12	55	277	106	222	222	18.0	F11	550	16.5	6.0
AA12-90F	12	90	563	114	188	188	26.5	F6	900	27.0	5.8
AA12-105F	12	105	508	111	236	236	32.5	F8	1050	31.5	5.0
AA12-110F	12	110	394	109	285	285	33.0	F9	1100	33.0	5.0
AA12-125F	12	125	551	109	239	239	36.0	F9	1250	37.5	5.0
AA12-125FS	12	125	436	107	317	323	41.5	F9	1250	37.5	5.0
AA12-135F	12	135	551	109	239	239	41.0	F9	1350	40.5	3.8
AA12-150F	12	150	555	110	288	288	45.0	F9	1500	45.0	4.0
AA12-155F	12	155	555	110	288	288	49.5	F9	1550	46.5	5.0
AA12-160F	12	160	555	110	288	288	49.0	F9	1600	48.0	4.0
AA12-170F	12	170	560	125	316	316	52.0	F9	1700	51.0	4.0
AA12-180F	12	180	560	125	316	316	52.0	F9	1800	54.0	4.0
AA12-180FS	12	180	546	125	317	325	52.0	F9	1800	54.0	4.0
AA12-185F	12	185	560	125	316	316	56.0	F9	1850	55.5	4.0
AA12-185FS	12	185	546	125	317	325	56.0	F9	1850	55.5	4.0

S-special dimensions

