



F.E. Model: FSBFE071- FE2-1200DG

FE2-1200DG is AGM Deep cycle battery, with 10 years floating design life, superiorly designed for frequent cyclic discharge usage. By using strong grid and specific paste plate, it makes battery have 30% more cyclic life time than stand by series. It is applicable for solar energy system, golf cart, electric wheelchair, etc.

Specification

Cell Number	2
Nominal Voltage	2V
Weight(Approx.)	76.0/167.55Kg/lbs
Dimension(L×W×H)	346×310×335mm
Specific Energy	31.58Wh/Kg
Capacity(25°C,77°F)	10hr(120.0A,1.8V) 1200AH 3hr(300A,1.8V) 900AH 1hr(660A,1.75V)660AH
Internal Resistance(fully charged state)	0.198mΩ
Maximum Charge Current	180A
Short Circuit Current	10000A
Charge Voltage in Floating USE(Per cell)	2.26V
Charge Voltage in Cycling USE(Per cell)	2.36V
Design floating life	15 year
Operating Temperature Range	-20°C ~+55°C
Terminal Type	GFM—22
Terminal Material	Cu(Tin coated)
Torque Value	12~16N.m

Constant Current Discharge Data (Amperes Per cell at 25°C, 77°F)

End Voltage (V/cell)	Discharge Time(minutes)												
	5	10	15	20	30	60	120	180	300	360	480	600	1440
1.60	2520	1947	1611	1387	1101	696	433	320	214	186	148	124	52.9
1.65	2291	1783	1489	1292	1038	684	426	315	211	184	147	123	52.6
1.70	2092	1636	1377	1204	979	664	418	311	209	183	145	122	52.3
1.75	1830	1507	1297	1147	946	660	411	306	206	180	144	121	51.9
1.80	1606	1395	1224	1094	910	629	401	300	204	178	142	120	51.5

Constant Current Discharge Data (Amperes Per cell at 25°C, 77°F)

End Voltage (V/cell)	Discharge Time(minutes)												
	5	10	15	20	30	60	120	180	300	360	480	600	1440
1.60	3672	3156	2661	2356	1854	1224	787	585	396	348	285	238	106
1.65	3373	2865	2438	2173	1722	1182	760	569	389	341	281	234	105
1.70	2977	2625	2268	2032	1607	1148	740	557	384	336	278	231	103
1.75	2668	2428	2114	1889	1507	1094	721	546	377	332	274	228	102
1.80	2452	2228	1937	1740	1413	1045	701	534	370	327	271	226	100

