



## F.E. Model: FSBFE072- FE2-1000DG

**FE2-1000DG** 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.)	60.5/133.38Kg/lbs
Dimension(L×W×H)	430×173×338mm
Specific Energy	33.06Wh/Kg
Capacity(25°C,77°F)	10hr(100.0A,1.8V) 1000AH 3hr(250A,1.8V) 750AH 1hr(550A,1.75V)550AH
Internal Resistance(fully charged state)	0.226mΩ
Maximum Charge Current	150A
Short Circuit Current	8750A
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—21
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
<b>1.60</b>	2100	1622	1342	1156	917	580	361	266	178	155	123	103	44.1
<b>1.65</b>	1909	1486	1241	1077	865	570	355	263	176	154	122	102	43.8
<b>1.70</b>	1743	1363	1148	1003	816	553	349	259	174	152	121	101	43.5
<b>1.75</b>	1525	1256	1081	656	788	550	342	255	172	150	120	101	43.3
<b>1.80</b>	1339	1162	1020	912	759	524	334	250	170	148	119	100	43.0

### 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
<b>1.60</b>	3060	2630	2218	1963	1545	1020	656	487	330	290	237	198	88.5
<b>1.65</b>	2811	2388	2032	1811	1435	985	643	474	324	284	234	195	87.4
<b>1.70</b>	2481	2188	1890	1693	1339	957	616	464	320	280	232	193	86.1
<b>1.75</b>	2223	2023	1762	1574	1256	912	601	455	314	277	229	190	84.5
<b>1.80</b>	2043	1856	1614	1450	1177	871	585	445	308	273	226	188	83.4

