



F.E. Model: FSBFE084- FE2-800DG

FE2-800DG is GEL deep cycle battery, with 15 years floating design life, superiorly designed for frequent cyclic discharge application under extreme temperature. By using strong grid to insure reliable performance under frequent cyclic discharge use, 400 cycles could be available at 100% DOD. Offering extra-durable cyclic performance, high efficiency of recovery, that is more suitable for solar.

Specification

Cell Number	2
Nominal Voltage	2V
Weight(Approx.)	60/132.3Kg/lbs
Dimension(L×W×H)	410×175×334mm
Specific Energy	27.3Wh/Kg
Capacity(25°C,77°F)	10hr(20.0A,1.80V)800AH 3hr(51.2A,1.80V) 615.4AH 1hr(121A,1.75V)448AH
Internal Resistance(fully charged state)	0.28mΩ
Maximum Charge Current	120A
Short Circuit Current	6900A
Charge Voltage in Floating USE(Per cell)	2.25V
Charge Voltage in Cycling USE(Per cell)	2.35V
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	1200
1.65	1920	1440	1112	1044	880	476	272	220	152	136	106	87.6	47.6
1.70	1728	1332	1012	948	800	460	262	220	148	129	103	84.8	46.8
1.75	1556	1236	920	860	728	448	252	214	146	127	101	82.4	45.6
1.80	1400	1144	836	784	660	432	237	205	140	122	97.2	80.0	44.0
1.85	1260	1052	760	712	600	400	223	192	132	114	91.2	75.6	42.4

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	1200
1.65	3368	2568	2072	1884	1612	884	500	416	280	242	192	162	91
1.70	3100	2428	1900	1820	1532	868	492	416	275	237	188	157	88
1.75	2852	2292	1848	1756	1456	848	484	412	269	232	184	152	86
1.80	2624	2168	1736	1692	1384	832	476	396	264	228	181	148	83
1.85	2412	2048	1608	1632	1312	816	468	376	254	217	172	141	79

