



F.E. Model: FSBFE066- FE2-1000DG

FE2-1000DG 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.)	70/154.3Kg/lbs
Dimension(L×W×H)	478×175×334mm
Specific Energy	27.3Wh/Kg
Capacity(25°C,77°F)	10hr(100.0A,1.8V) 1000AH 3hr(256A,1.8V) 768AH 1hr(560A,1.75V)560AH
Internal Resistance(fully charged state)	0.24mΩ
Maximum Charge Current	150A
Short Circuit Current	8000A
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	2400	1800	1390	1305	1100	595	341	275	190	170	133	110	59.5
1.70	2160	1665	1265	1185	1000	575	328	275	186	161	129	106	58.5
1.75	1945	1545	1150	1075	910	560	315	268	182	159	127	103	57.0
1.80	1750	1430	1045	980	825	540	296	256	175	153	122	100	55.0
1.85	1575	1315	950	890	750	500	279	240	165	143	114	94.5	53.0

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	1200
1.65	4120	2590	2355	2015	2015	1105	625	520	350	303	240	202	114
1.70	3875	2375	2275	1915	1915	1085	615	520	344	297	235	197	111
1.75	3565	2310	2195	1820	1820	1060	605	515	337	291	231	191	107
1.80	3280	2710	2115	1730	1730	1040	595	495	330	285	226	185	104
1.85	3015	2560	2040	1640	1640	1020	585	470	318	271	215	176	99

