



F.E. Model: FSBFE061- FE2-1500DG

FE2-1500DG 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.)	107/235.9Kg/lbs
Dimension(L×W×H)	401×351×340mm
Specific Energy	28.04Wh/Kg
Capacity(25°C,77°C)	10hr(150.0A,1.8V) 1500AH 3hr(384A,1.8V) 1152AH 1hr(840A,1.75V) 840AH
Internal Resistance(fully charged state)	0.1844mΩ
Maximum Charge Current	225A
Short Circuit Current	12000A
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	3600	2700	2085	1958	1650	893	512	413	285	255	200	165	89
1.70	3240	2498	1898	1778	1500	863	492	413	279	242	194	159	88
1.75	2918	2318	1725	1613	1365	840	473	402	273	239	191	155	86
1.80	2625	2145	1568	1470	1238	810	444	384	263	230	183	150	83
1.85	2363	1973	1425	1335	1125	750	419	360	248	215	171	142	80

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	6315	4815	3885	3533	3023	1658	938	780	525	455	360	303	171
1.70	5813	4553	3563	3413	2873	1628	923	780	516	446	353	296	167
1.75	5348	4298	3465	3293	2730	1590	908	773	506	437	347	287	161
1.80	4920	4065	3255	3173	3173	1560	893	743	495	428	339	278	156
1.85	4523	3840	3015	3060	3060	1530	878	705	477	407	323	264	149

