



## F.E. Model: FSBFE081- FE2-400DG

**FE2-400DG** 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	1
Nominal Voltage	2V
Weight(Approx.)	30.0/66.1Kg/lbs
Dimension(L×W×H)	211×175×334mm
Specific Energy	26.7Wh/Kg
Capacity(25°C,77°F)	10hr(40.0A,1.80V) 400AH 3hr(102A,1.80V) 306AH 1hr(224A,1.75V)224AH
Internal Resistance(fully charged state)	0.54mΩ
Maximum Charge Current	60A
Short Circuit Current	4350A
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	960	720	556	522	440	238	136	110	76.0	68.0	53.2	43.8	23.8
1.70	864	666	506	474	400	230	131	110	74.2	64.4	51.6	42.4	23.4
1.75	778	618	460	430	364	224	126	107	72.8	63.4	50.6	41.2	22.8
1.80	700	572	418	392	330	216	118	102	70.0	61.0	48.6	40.0	22.0
1.85	630	526	380	356	300	200	111	96.0	65.8	57.2	45.6	37.8	21.2

### 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	1648	1284	1036	942	806	442	250	208	140	121	96.0	80.8	45.4
1.70	1550	1214	950	910	766	434	246	208	137	119	94.0	78.6	44.2
1.75	1426	1146	924	878	728	424	242	206	135	116	92.2	76.2	42.8
1.80	1312	1084	868	846	692	416	238	198	132	114	90.4	74.0	41.6
1.85	1206	1024	804	816	656	408	234	188	127	108	85.8	70.4	39.6

