

## F.E. Model: FSBFE062- FE12-100D



**FE12-100D** 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	6
Nominal Voltage	12V
Weight(Approx.)	30.5/67.3Kg/lbs
Dimension(L×W×H)	329×172×216mm
Specific Energy	39.3Wh/Kg
Capacity(25°C,77°F)	20hr(5.0A,10.5V) 100AH 10hr(9.3A,10.5V) 93AH 5hr(17.0A,10.5V) 85AH
Internal Resistance(fully charged state)	4.0mΩ
Maximum Charge Current	30A
Short Circuit Current	3000A
Charge Voltage in Floating USE(Per cell)	2.275V
Charge Voltage in Cycling USE(Per cell)	2.45V
Design floating life	10 year
Operating Temperature Range	-15°C ~ +45°C
Terminal Type	SP—24
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	45	60	90	120	180	300	600	1200
<b>1.60</b>	335	236	181	148	110	80	64	47.3	37.3	26.8	17.5	9.5	5.13
<b>1.65</b>	315	227	175	144	107	78	62.5	46.5	36.9	26.5	17.4	9.4	5.1
<b>1.70</b>	292	216	169	140	104	76	61	45.6	36.2	26	17.2	9.35	5.06
<b>1.75</b>	262	201	162	135	101	74	59.5	45	35.7	25.7	17.0	9.3	5.0
<b>1.80</b>	237	183	151	128	97	72.5	58	43.5	34.5	25	16.0	9.15	4.9

### Constant Current Discharge Data (Amperes Per cell at 25°C, 77°F)

End Voltage (V/cell)	Discharge Time(minutes)												
	5	10	15	20	30	45	60	90	120	180	300	600	1200
<b>1.60</b>	565	422	329	273	204	149	119	88	69.7	50.5	33.3	18.2	9.9
<b>1.65</b>	540	410	323	269	201	147	117.7	87.7	69.6	50.4	33.25	18.17	9.88
<b>1.70</b>	509	394	315	263	197	144.5	116	87.1	69.3	50.1	33.15	18.13	9.85
<b>1.75</b>	467	372	304	255	192	141.5	113.5	86	68.5	49.5	32.9	18.05	9.8
<b>1.80</b>	429	343	287	244	186	139	111	83.5	66.5	48.5	32.3	17.95	9.64

