



F.E. Model: FSBFE063- FE12-70D

FE12-70D 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.)	21.7/47.7Kg/lbs
Dimension(L×W×H)	324×166×174mm
Specific Energy	39.0Wh/Kg
Capacity(25°C,77°F)	20hr(3.5A,10.5V) 70AH 10hr(6.51A,10.5V) 65.1AH 5hr(12.4A,10.5V)62AH
Internal Resistance(fully charged state)	6.5mΩ
Maximum Charge Current	21A
Short Circuit Current	1747A
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—22 or SP—12
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
1.60	214	159	128	109	77.0	55.3	43.5	30.7	25.9	19.6	12.7	6.58	3.53
1.65	197	153	126	107	76.2	54.3	43.3	30.4	25.6	19.4	12.6	6.54	3.53
1.70	180	147	123	105	75.5	53.4	42.0	30.2	25.4	19.2	12.5	6.51	3.51
1.75	165	141	121	104	74.7	52.4	41.0	29.8	25.1	19.0	12.4	6.51	3.50
1.80	152	135	117	101	73.0	51.1	40.0	29.5	24.5	18.7	12.3	6.49	3.47

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
1.60	431	279	222	189	140	111	91.5	61.5	52.5	39.5	25.9	13.22	7.28
1.65	398	277	221	187	137	110	89.9	60.9	52.0	39.4	25.7	13.17	7.25
1.70	368	271	216	183	133	109	88.5	60.5	51.9	39.2	25.5	13.12	7.25
1.75	337	254	205	171	125	107	85.9	59.5	51.2	38.7	25.4	12.94	7.18
1.80	306	236	192	160	119	104	84.0	58.9	50.5	38.0	25.0	12.60	7.07

