

F.E. Model: FSBFE073- FE12-150D



FE12-150D 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.)	44.5/98.1Kg/lbs
Dimension(L×W×H)	485×172×240mm
Specific Energy	40.5Wh/Kg
Capacity(25°C,77°F)	20hr(5.0A,10.5V) 150AH 10hr(9.3A,10.5V) 139.5AH 5hr(17.0A,10.5V) 127.5AH
Internal Resistance(fully charged state)	3.2mΩ
Maximum Charge Current	45A
Short Circuit Current	3700A
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—30
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	455	292	224	185	142.0	109.5	91.5	69.5	56.00	40.30	26.15	14.17	7.58
1.65	440	285	220	183	140.0	108.5	91.0	69.3	55.75	40.17	26.07	14.14	7.57
1.70	411	275	213	177	136.5	106.5	90.0	68.9	55.20	39.90	25.90	14.08	7.55
1.75	372	254	199	166	130.5	103.0	87.0	67.5	53.90	39.30	25.50	13.95	7.50
1.80	320	219	177	152	97.0	97.0	83.0	64.0	51.90	38.10	24.85	13.65	7.39

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	759	497	389	327	255	199	168.0	128.6	104.5	75.9	49.3	26.85	14.45
1.65	742	490	385	325	253	198	167.7	128.5	104.2	75.8	49.2	26.81	14.44
1.70	705	480	377	317	248	195	166.3	128.1	103.5	75.4	49.0	26.75	14.41
1.75	652	451	357	301	240	191	162.5	126.6	101.7	74.5	48.5	26.59	14.33
1.80	577	397	323	280	226	181	156.0	121.0	98.5	72.6	47.5	26.10	14.18

