



F.E. Model: FSBFE064- FE12-12D

FE12-12D is AGM Deep cycle battery, with 5 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.)	3.5/7.72Kg/lbs
Dimension(L×W×H)	151×98×94mm
Specific Energy	41.1Wh/Kg
Capacity(25°C,77°F)	20hr(0.6A,10.5V) 12AH 10hr(1.12A,10.5V) 11.2AH 5hr(2.04A,10.5V)10.2AH
Internal Resistance(fully charged state)	17.0mΩ
Maximum Charge Current	3.60A
Short Circuit Current	819A
Charge Voltage in Floating USE(Per cell)	2.275V
Charge Voltage in Cycling USE(Per cell)	2.45V
Design floating life	5 year
Operating Temperature Range	-15°C ~+45°C
Terminal Type	SP—02 or SP—03
Terminal Material	Cu(Tin coated)

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	44.53	30.45	24.01	19.14	13.89	10.3	7.48	6.79	4.66	3.46	2.09	1.19	0.64
1.65	43.42	29.81	23.64	18.95	13.71	10.12	7.46	6.77	4.62	3.42	2.07	1.17	0.62
1.70	41.03	28.80	23.18	18.68	13.52	9.84	7.44	6.76	4.58	3.38	2.05	1.15	0.61
1.75	39.38	27.78	22.17	18.40	13.16	9.48	7.38	6.73	4.54	3.31	2.04	1.12	0.60
1.80	35.51	25.58	20.61	17.02	12.60	9.29	7.26	6.68	4.42	3.22	1.98	1.06	0.58

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	78.75	55.11	43.88	35.33	25.94	19.50	15.46	11.15	9.05	6.79	4.25	2.35	1.27
1.65	77.28	54.19	43.33	35.14	25.76	19.14	15.36	11.01	8.98	6.72	4.23	2.34	1.27
1.70	73.88	52.81	42.78	34.96	25.58	18.86	15.18	10.95	8.92	6.64	4.21	2.32	1.26
1.75	72.04	51.34	41.40	34.22	24.93	18.40	14.90	10.81	8.80	6.50	4.20	2.30	1.25
1.80	65.50	47.75	38.92	32.20	24.20	17.94	14.54	10.64	8.65	6.35	4.12	2.25	1.21

