STRYTEN ENERGY

E-SERIES

AGM155/180

Designed for durability in telecommunications and electric utility applications, Stryten Energy's AGM155 and AGM180 provide high performance and reliability in long duration discharge applications. The location of the terminals on the front (versus the top) of the battery greatly facilitates the installation and maintenance of the product when placed in a cabinet enclosure or on a standard relay rack tray. The AGM155 and AGM180 highlight another example of Stryten Energy's extensive experience and worldwide leadership in VRLA technology.

THE ENERGY TO CHALLENGE

Battery Specifications and Electrical Data

MODEL NUMBER	VOLTAGE	CAPACITY (AH)		NOMINAL DIMENSIONS						NOMINAL WEIGHT		SHORT CIRCUIT CURRENT AMPS	INTERNAL RESISTANCE (mOhms)
		8hr to 1.75 VPC @25°C	10 hr to 1.80 VPC @20°C	INCHES			MILLIMETERS						
				L	W	H	L	W	H	lbs.	kg		
M12V155FTX	12	155	150	22	4.9	11.15	559	124	283	119	53.8	3883	3.0
M12V180FTX	12	180	175	22	4.9	12.5	559	124	318	133	60	4147	3.0

M12V155FTX Performance Specifications

AMPERES @ 25°C (77°F)

END VOLTAGE PER CELL	OPERATING TIME TO END VOLTAGE (HOUR)													
	24 HR	20 HR	12 HR	10 HR	9 HR	8 HR	7 HR	6 HR	5 HR	4 HR	3 HR	2 HR	1 HR	0.5 HR
1.75	6.8	8.1	13.1	15.6	17.3	19.4	21.7	24.7	28.8	34.5	43.6	60.6	105.8	151.0
1.78	6.7	8.0	13.0	15.5	17.1	19.1	21.5	24.4	28.5	34.3	43.4	60.4	104.4	150.6
1.80	6.7	8.0	13.0	15.4	17.0	19.0	21.3	24.2	28.3	34.1	43.1	59.9	102.9	150.5
1.81	6.6	7.9	12.9	15.3	16.9	18.9	21.1	24.0	28.0	33.9	42.9	59.5	101.5	150.4
1.83	6.6	7.8	12.7	15.0	16.6	18.6	20.7	23.7	27.6	33.3	42.3	58.6	98.8	150.1
1.85	6.5	7.7	12.5	14.9	16.4	18.3	20.4	23.3	27.1	32.8	41.6	57.4	96.2	147.1
1.87	6.3	7.5	12.2	14.4	15.9	17.7	19.8	22.6	26.3	31.7	40.4	55.7	92.8	140.9
1.90	5.9	7.0	11.5	13.7	15.2	17.0	18.9	21.5	25.0	30.2	38.4	53.0	87.0	126.4
1.92	5.6	6.7	10.8	12.9	14.3	15.9	18.0	20.5	23.9	28.7	36.4	50.2	81.7	112.6
1.94	5.2	6.2	10.1	12.0	13.3	14.9	16.9	19.4	22.7	27.3	34.7	47.4	76.7	98.6

WATTS PER CELL @ 25°C (77°F)

END VOLTAGE PER CELL	OPERATING TIME TO END VOLTAGE (HOUR)													
	24 HR	20 HR	12 HR	10 HR	9 HR	8 HR	7 HR	6 HR	5 HR	4 HR	3 HR	2 HR	1 HR	0.5 HR
1.75	13.7	16.3	26.1	30.8	33.9	38.0	42.3	47.8	55.2	66.1	82.9	115.2	200.3	297.7
1.78	13.6	16.1	25.9	30.6	33.8	37.7	41.8	47.3	54.7	65.5	82.5	114.2	199.3	294.2
1.80	13.5	16.0	25.7	30.5	33.6	37.5	41.5	46.9	54.3	64.9	81.8	113.2	197.3	290.5
1.81	13.5	15.9	25.6	30.3	33.4	37.2	41.2	46.6	53.9	64.5	81.1	112.2	195.2	288.0
1.83	13.3	15.7	25.2	29.8	32.9	36.7	40.7	46.0	53.2	63.5	79.8	110.2	191.1	284.4
1.85	13.1	15.5	24.9	29.4	32.4	36.2	40.2	45.4	52.5	62.6	78.6	108.2	187.1	275.1
1.87	12.8	15.1	24.2	28.6	31.5	35.1	39.2	44.2	51.0	60.8	76.1	104.6	180.0	266.7
1.90	12.1	14.5	23.2	27.5	30.3	33.7	37.6	42.3	48.8	58.0	72.4	100.0	168.5	250.9
1.92	11.5	13.7	22.1	26.1	28.7	31.9	35.7	40.4	46.6	55.6	69.8	96.1	158.3	236.9
1.94	10.8	12.9	20.9	24.7	27.1	30.2	34.1	38.5	44.5	53.0	66.5	91.6	149.0	223.3

FEATURES AND BENEFITS

- Diamond side-wall design maintains integrity in higher operating temperatures.
- Superior lead-tin-calcium-silver positive alloy helps resist corrosion.
- Wide temperature range of -40°F (-40°C) to 122°F (50°C)
- Meets NEBS™ GR63 CORE, GR4228/SR4228 Telcordia, UL
- MICROCAT® Catalyst reduces float current and minimizes water loss.
- Ability to maintain capacity and reduced cell heating lead to increased life.

M12V180FTX Performance Specifications

AMPERES @ 25°C (77°F)

END VOLTAGE PER CELL	OPERATING TIME TO END VOLTAGE (HOUR)													
	24 HR	20 HR	12 HR	10 HR	9 HR	8 HR	7 HR	6 HR	5 HR	4 HR	3 HR	2 HR	1 HR	0.5 HR
1.75	7.9	9.4	15.4	18.2	20.1	22.5	25.5	28.4	33.0	39.5	49.9	69.4	121.7	194.5
1.78	7.8	9.3	15.2	18.1	20.0	22.3	25.0	28.0	32.6	39.2	49.5	68.7	120.3	191.9
1.80	7.8	9.3	15.1	17.9	19.8	22.1	24.8	27.8	32.3	38.8	49.1	68.0	119.1	188.5
1.81	7.8	9.2	15.0	17.8	19.6	21.9	24.7	27.6	32.1	38.6	48.8	67.6	118.2	186.4
1.83	7.7	9.1	14.8	17.6	19.4	21.6	24.2	27.1	31.7	38.2	48.0	66.5	115.9	181.5
1.85	7.5	9.0	14.5	17.2	19.0	21.2	23.7	26.6	31.0	37.4	47.1	65.0	112.7	175.2
1.87	7.4	8.8	14.1	16.7	18.5	20.6	23.1	25.9	30.2	36.4	45.8	63.0	108.7	166.5
1.90	7.0	8.3	13.4	15.8	17.4	19.5	21.9	24.5	28.6	34.3	43.8	60.1	101.7	150.5
1.92	6.7	7.9	12.7	15.0	16.6	18.5	20.9	23.4	27.2	32.6	41.2	56.2	95.6	144.5
1.94	6.3	7.5	11.9	14.1	15.5	17.3	19.6	22.0	25.6	30.7	38.4	51.9	87.0	133.9

WATTS PER CELL @ 25°C (77°F)

END VOLTAGE PER CELL	OPERATING TIME TO END VOLTAGE (HOUR)													
	24 HR	20 HR	12 HR	10 HR	9 HR	8 HR	7 HR	6 HR	5 HR	4 HR	3 HR	2 HR	1 HR	0.5 HR
1.75	15.7	18.3	28.4	33.2	36.3	40.1	45.0	51.3	60.0	72.6	92.9	131.5	225.8	355.8
1.78	15.6	18.3	28.2	33.0	36.1	39.9	44.7	51.0	59.6	72.1	92.1	130.2	222.2	349.0
1.80	15.6	18.2	28.1	32.8	35.9	39.7	44.4	50.7	59.1	71.5	91.3	128.9	219.6	342.7
1.81	15.6	18.2	28.0	32.7	35.8	39.5	44.2	50.4	58.9	71.1	90.8	128.0	218.0	339.2
1.83	15.5	18.0	27.8	32.4	35.4	39.1	43.8	49.8	58.1	70.1	89.4	125.9	214.2	330.7
1.85	15.2	17.9	27.4	31.9	34.9	38.5	43.1	49.0	57.1	68.8	87.6	123.0	209.4	320.7
1.87	15.0	17.6	26.9	31.3	34.1	37.7	42.1	47.9	55.7	67.1	85.2	119.4	203.8	309.0
1.90	14.6	17.0	25.8	30.0	32.7	36.0	40.1	45.5	52.9	63.5	80.4	112.1	192.9	288.4
1.92	14.1	16.4	24.8	28.7	31.3	34.4	38.4	43.5	50.4	60.4	76.3	105.9	184.2	269.2
1.94	13.4	15.7	23.7	27.4	29.8	32.7	36.4	41.1	47.6	56.9	71.6	98.9	174.5	254.6

E-SERIES | AGM155/AGM180 | ESSENTIAL POWER BATTERIES

The Energy to Challenge

Stryten Energy helps solve the world's most pressing energy challenges with a broad range of energy storage solutions and components across the Essential Power, Motive Power, Transportation, Military and Government sectors. Headquartered in Alpharetta, Georgia, we partner with some of the world's most recognized companies to meet the growing demand for reliable and sustainable energy storage capacity. Stryten powers everything from submarines to subcompacts, microgrids, warehouses, distribution centers, cars, trains and trucks. Our stored energy technologies include advanced lead, lithium and vanadium redox flow batteries, intelligent chargers and energy performance management software that keep people on the move and supply chains running.

Learn more at ***www.stryten.com***

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