



STRYTEN ENERGY

E-SERIES

Flooded MCT >>>



Flooded MCT batteries from Stryten Energy are the right choice for Telecom, Electric Utilities and other applications requiring constant current or constant power for long duration discharges. Stryten Energy offers cell selections from 190 to 4000 amp-hours to meet the specific needs of a variety of long duration applications. These Flooded batteries have optimized grids and separators to provide long life while combatting the effects of normal grid corrosion and growth. Stryten Energy also offers a full line of battery racks & spill containment systems to complement our Flooded batteries.

THE ENERGY TO CHALLENGE >>>

FLOODED MCT – LEAD CALCIUM SPECIFICATIONS

LONG DURATION

Type – MCT - Lead Calcium

Capacities – 190 A.H. to 480 A.H.

8 hour rate to 1.75 V.P.C. @ 77°F (25°C)

20 year life expectancy

SPECIFICATIONS

Jar – Styrene-Acrylonitrile (SAN) Plastic

Cover – Acrylonitrile Butadiene Styrene (ABS) Plastic

Separators – Microporous Material

Retainers – Fiberglass Mat

Posts – Two (per cell) - 1.0" (25.4mm) Square

Post Seals – Floating "O" Ring - Seal Nut

Vents – Stryten Energy "Pre-Vent" Flame Arrester

Level Lines – High and Low - All Jar Faces

Electrolyte – Height above plates - 2.50" (63.5 mm)

Electrolyte Withdrawal Tubes – 1 Per Cell

Sediment Space – .95" (24.1 mm)

Specific Gravity – 1.215 @ 77°F (25°C)

Inter-Cell Connectors – Lead Plated Copper

Hardware – Type 316 Stainless Steel



PLATE DIMENSIONS	HEIGHT	WIDTH	THICKNESS
Positive Plate	11.56 in/293.6 mm	9.19 in/233.4 mm	0.325 in/8.26 mm
Negative Plate	11.56 in/293.6 mm	9.19 in/233.4 mm	0.220 in/5.59 mm

CELL TYPE	AMP-HOUR CAPACITY**	OVERALL DIMENSIONS			APPROXIMATE WEIGHT		ELECTROLYTE PER CELL
		LENGTH	WIDTH	HEIGHT	NET	PACKED	
2-MCT-5*	192	6.25 in 159 mm	11.13 in 283 mm	18.25 in 464 mm	104 lbs 48 kg	110 lbs 50 kg	1.3 gal 4.9 liter
MCT-7	288	4.13 in 105 mm	↓	↓	70 lbs 32 kg	74 lbs 34 kg	1.7 gal 6.4 liter
MCT-9	384	5.13 in 130 mm	↓	↓	88 lbs 40 kg	93 lbs 42 kg	2.1 gal 7.9 liter
MCT-11	480	6.50 in 165 mm	↓	↓	107 lbs 49 kg	113 lbs 51 kg	2.8 gal 10.6 liter

*2 Cells per unit

**8 hour rate to 1.75 VPC @ 77°F (25°C)

AMP DATA @ 77°F (25°C)
MCT CELLS

CELL TYPE	HOURS						
	8	5	4	3	2	1.5	1
AMPERES TO 1.75 VPC							
2-MCT-5	24	33	38	46	59	69	84
MCT-7	36	50	57	69	89	104	126
MCT-9	48	66	76	92	118	138	168
MCT-11	60	83	95	115	148	173	210
AMPERES TO 1.78 VPC							
2-MCT-5	24	32	37	45	57	66	80
MCT-7	35	48	56	68	86	100	120
MCT-9	47	64	74	90	114	133	160
MCT-11	59	80	93	113	143	166	200
AMPERES TO 1.81 VPC							
2-MCT-5	23	30	36	44	55	64	76
MCT-7	35	45	54	66	83	96	114
MCT-9	46	60	72	88	110	128	152
MCT-11	58	75	90	110	138	160	190
AMPERES TO 1.84 VPC							
2-MCT-5	22	29	34	41	51	58	69
MCT-7	33	44	51	62	77	87	104
MCT-9	44	58	68	82	102	116	138
MCT-11	55	73	85	103	128	145	173
AMPERES TO 1.88 VPC							
2-MCT-5	20	27	31	37	45	51	59
MCT-7	29	40	47	55	67	77	88
MCT-9	39	53	62	73	89	103	117
MCT-11	49	66	78	92	112	129	147
AMPERES TO 1.90 VPC							
2-MCT-5	19	25	29	33	41	46	53
MCT-7	28	38	43	50	62	69	80
MCT-9	37	50	57	66	82	93	106
MCT-11	47	63	71	83	103	115	133
AMPERES TO 1.92 VPC							
2-MCT-5	15	23	26	31	37	42	47
MCT-7	23	35	39	47	56	63	71
MCT-9	30	46	52	62	74	84	94
MCT-11	38	58	65	78	93	105	118

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

