

Lampiran 3. Data Sheet Baterai

Features and Benefits

- Capacity range 7-381Ah
- 2V, 6V and 12V monobloc configurations
- Multiple string configurations available
- Two year shelf life
- ISO-9001 compliant
- Long service life
- High energy density and cycling capability

Construction

- Utilizes Thin Plate Pure Lead (TPPL) technology. Thin positive grids are produced from high purity lead from a unique manufacturing process to maximize corrosion resistance and service life while increasing energy density
- Separators are Absorbent Glass Mat (AGM) made from high purity, superior quality fibers. The electrolyte is absorbed within the AGM, preventing acid spills in case of accidental damage
- High purity electrolyte to reduce self-discharge rate and float currents
- Container and cover in flame retardant UL94-V0 material, highly resistant to shock and vibration
- Front terminal batteries use tin-plated copper terminals. Top terminal batteries use a copper alloy insert
- Self-regulating one way pressure relief valves prevent air ingress

Installation and Operation

- Space efficient footprint
- Valve Regulated Lead Acid (VRLA) design reduces maintenance requirements
- Greater than 10 year life expectancy in float service at 77°F (25°C)
- TPPL technology provides increased active material surface area which yields increased energy density
- Operating temperature: -40°F (-40°C) to 122°F (50°C)
(Recommended temperature: 68°F (20°C) to 86°F (30°C))

Standards

- Approved as non-hazardous cargo for ground, sea and air transportation. Please see our SDS for complete packaging requirements at www.enerxys.com
- Complies with Telcordia® SR-4238, Network Equipment Building Systems (NEBS®) Criteria Levels
- The management systems governing the manufacture of this product are ISO 9001:2008 and ISO 14001:2004 certified

General Specifications

		Nominal Capacity		Nominal Dimensions			Electrolyte (1.265 S.G.)										Pure Acid (SG1.284)									
Battery Type	Number of Cells	Nominal Voltage (V)	Dis. Rate 1.75V @ 17°F	Dis. Rate 1.80V @ 20°C	Length	Width	Height	Typical Weight		Short Circuit Current (Amperes)	Internal Resistance (Milli-Ohms)	Terminals	Volume (per liter)	Weight (per liter)	Volume (per liter)	Weight (per liter)	Lead Weight (per lb)									
			in	mm	in	mm	in	mm	lbs	kg			gal	kg	in	kg	in	kg	in	kg						
All Purpose	2V 8	2	12	7	5.45	139	2.20	56.0	2.00	7.60	5.05	2.30	900	30.1	M3-F	0.10	0.20	1.00	0.40	0.10	0.20	0.20	0.19	4.26	1.92	
	2V 15	2	12	11	11.0	279	2.20	56.0	2.00	7.60	5.05	2.30	900	30.1	M3-F	0.20	0.40	2.00	0.80	0.20	0.40	0.40	0.38	7.60	3.42	
	2V 20	2	12	20	20	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	0.40	1.01	4.22	1.66	0.40	1.02	1.20	1.16	15.6	7.09
	2V 30	2	12	30	30	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	harness	0.60	1.51	6.33	2.46	0.60	1.52	2.00	1.96	25.2	11.48
Front Panel	2V 40	2	12	40	40	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	0.80	2.02	8.26	3.20	0.80	2.03	3.20	3.16	39.6	18.1
	2V 60	2	12	60	60	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	1.20	3.03	12.39	4.80	1.20	3.04	4.80	4.76	59.2	27.2
	2V 80	2	12	80	80	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	1.60	4.05	16.52	6.40	1.60	4.06	6.40	6.36	78.8	35.7
	2V 100	2	12	100	100	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	2.00	5.07	21.27	8.30	2.00	5.08	8.30	8.26	103.2	47.3
Top Terminal	2V 150	2	6	150	150	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	3.00	7.60	36.40	14.50	3.00	7.61	14.50	14.46	179.2	81.2
	2V 200	2	6	200	200	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	4.00	10.14	48.53	19.30	4.00	10.15	19.30	19.28	238.4	108.4
	2V 300	2	6	300	300	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	5.00	12.68	60.66	24.10	5.00	12.69	24.10	24.06	297.6	136.5
	2V 400	2	6	400	400	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	6.00	15.21	72.79	28.90	6.00	15.22	28.90	28.86	356.8	162.8
Front Panel	2V 600	2	6	600	600	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	8.00	20.27	96.99	38.50	8.00	20.28	38.50	38.46	475.2	216.0
	2V 800	2	6	800	800	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	10.00	25.31	121.98	48.00	10.00	25.32	48.00	47.96	593.6	271.2
	2V 1000	2	6	1000	1000	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	12.00	30.35	146.98	57.60	12.00	30.36	57.60	57.56	716.8	324.8
	2V 1500	2	6	1500	1500	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	18.00	45.53	220.47	86.40	18.00	45.54	86.40	86.36	1075.2	487.2
Front Panel	6V 8	6	12	7	5.45	139	2.20	56.0	2.00	7.60	5.05	2.30	900	30.1	M3-F	0.30	0.60	1.50	0.60	0.30	0.60	0.60	0.59	1.26	0.58	
	6V 15	6	12	11	11.0	279	2.20	56.0	2.00	7.60	5.05	2.30	900	30.1	M3-F	0.60	1.20	3.00	1.20	0.60	1.20	1.20	1.19	2.52	1.16	
	6V 20	6	12	20	20	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	0.80	1.60	4.22	1.60	0.80	1.60	1.60	1.59	19.68	9.02
	6V 30	6	12	30	30	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	1.20	2.40	6.33	2.40	1.20	2.40	2.40	2.39	29.76	13.54
Front Panel	6V 40	6	12	40	40	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	1.60	3.20	8.26	3.20	1.60	3.20	3.20	3.19	39.68	18.1
	6V 60	6	12	60	60	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	2.40	4.80	12.39	4.80	2.40	4.80	4.80	4.79	59.52	27.2
	6V 80	6	12	80	80	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	3.20	6.40	16.52	6.40	3.20	6.40	6.40	6.39	79.68	35.7
	6V 100	6	12	100	100	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	4.00	8.00	21.27	8.30	4.00	8.00	8.30	8.29	103.2	47.3
Front Panel	6V 150	6	6	150	150	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	6.00	12.00	36.40	14.50	6.00	12.00	14.50	14.49	179.2	81.2
	6V 200	6	6	200	200	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	8.00	16.00	48.53	19.30	8.00	16.00	19.30	19.29	238.4	108.4
	6V 300	6	6	300	300	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	10.00	20.00	60.66	24.10	10.00	20.00	24.10	24.09	297.6	136.5
	6V 400	6	6	400	400	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	12.00	24.00	72.79	28.90	12.00	24.00	28.90	28.89	356.8	162.8
Front Panel	6V 600	6	6	600	600	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	16.00	32.00	96.99	38.50	16.00	32.00	38.50	38.49	475.2	216.0
	6V 800	6	6	800	800	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	20.00	40.00	121.98	48.00	20.00	40.00	48.00	47.99	593.6	271.2
	6V 1000	6	6	1000	1000	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	24.00	48.00	146.98	57.60	24.00	48.00	57.60	57.59	716.8	324.8
	6V 1500	6	6	1500	1500	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	36.00	72.00	220.47	86.40	36.00	72.00	86.40	86.39	1075.2	487.2
Front Panel	12V 8	12	12	7	5.45	139	2.20	56.0	2.00	7.60	5.05	2.30	900	30.1	M3-F	0.10	0.20	1.00	0.40	0.10	0.20	0.20	0.19	4.26	1.92	
	12V 15	12	12	11	11.0	279	2.20	56.0	2.00	7.60	5.05	2.30	900	30.1	M3-F	0.20	0.40	2.00	0.80	0.20	0.40	0.40	0.38	7.60	3.42	
	12V 20	12	12	20	20	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	0.40	0.80	4.22	1.60	0.40	0.80	1.60	1.59	19.68	9.02
	12V 30	12	12	30	30	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	0.60	1.20	6.33	2.40	0.60	1.20	2.40	2.39	29.76	13.54
Front Panel	12V 40	12	12	40	40	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	0.80	1.60	8.26	3.20	0.80	1.60	3.20	3.19	39.68	18.1
	12V 60	12	12	60	60	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	1.20	2.40	12.39	4.80	1.20	2.40	4.80	4.79	59.52	27.2
	12V 80	12	12	80	80	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	1.60	3.20	16.52	6.40	1.60	3.20	6.40	6.39	79.68	35.7
	12V 100	12	12	100	100	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	2.00	4.00	21.27	8.30	2.00	4.00	8.30	8.29	103.2	47.3
Front Panel	12V 150	12	6	150	150	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	3.00	6.00	36.40	14.50	3.00	6.00	14.50	14.49	179.2	81.2
	12V 200	12	6	200	200	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	4.00	8.00	48.53	19.30	4.00	8.00	19.30	19.29	238.4	108.4
	12V 300	12	6	300	300	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	6.00	12.00	60.66	24.10	6.00	12.00	24.10	24.09	297.6	136.5
	12V 400	12	6	400	400	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	8.00	16.00	72.79	28.90	8.00	16.00	28.90	28.89	356.8	162.8
Front Panel	12V 600	12	6	600	600	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	12.00	24.00	96.99	38.50	12.00	24.00	38.50	38.49	475.2	216.0
	12V 800	12	6	800	800	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	16.00	32.00	121.98	48.00	16.00	32.00	48.00	47.99	593.6	271.2
	12V 1000	12	6	1000	1000	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	20.00	40.00	146.98	57.60	20.00	40.00	57.60	57.59	716.8	324.8
	12V 1500	12	6	1500	1500	5.09	262	2.22	57.0	2.14	7.64	20.0	9.00	1000	3.00	M3-F	30.00	60.00	220.47	86.40	30.00	60.00	86.40	86.39	1075.2	487.2

*Theoretical values are for reference only and not intended to represent an electric value or base for measurement

