



VRLA-AGM BATTERY

LP-SERIES



General Features

- ◆ **Wide capacity coverage:** battery capacity from 0.8Ah to 3000Ah;
- ◆ **Using oxygen recombination technology:** maintenance-free;
- ◆ Grid use multi element lead-calcium alloy, with less water loss and long battery life;
- ◆ The battery pole adopt the patented technology of multi-layer sealing, the terminals are sealed reliably;
- ◆ **High quality AGM separator:** extend cycle life and prevent micro short circuit;
- ◆ **ABS material:** increase the strength of battery container. (Flame-retardant ABS is optional);
- ◆ **High purity raw material:** ensure low self discharge rate and Low energy consumption;
- ◆ Silver-coated copper terminals (T1, T2 terminal), brass insert terminals and lead terminals improve the electric conductivity.



Typical Applications

- ◆ DC Power Supply
- ◆ Uninterruptable Power Supply (UPS)
- ◆ Electric Power System (EPS)
- ◆ Auto Control System
- ◆ Emergency Backup Power Supply
- ◆ Alarm and Security System
- ◆ Communication Power Supply

LP Models and Parameters (Small Size)

Model	Rated Voltage (V)	Rated Capacity (Ah)	Approx Dimension								Gross Weight		Type
			Length	Width		Height		Total Height					
		20HR											
		1.75V/cell	mm	in.	mm	in.	mm	in.	mm	in.	Kg	Lbs.	
LP4-4.0	4	4	47.5	1.87	47.5	1.87	100	3.94	106	4.17	0.48	1.06	T1/T2
LP4-4.5	4	4.5	52.5	2.07	48	1.89	94	3.70	100	3.94	0.6	1.32	T1/T2
LP4-10	4	10	101.5	4.00	50	1.97	93	3.66	99	3.90	1.14	2.51	T1/T2
LP6-1.0	6	1	51	2.01	42	1.65	51	2.01	57	2.24	0.25	0.55	T1
LP6-1.2	6	1.2	97	3.82	24	0.94	51.5	2.03	57.5	2.26	0.25	0.55	T1
LP6-2.0	6	2	43	1.69	37	1.46	76	2.99	76	2.99	0.33	0.73	/
LP6-2.8	6	2.8	66	2.60	33	1.30	97	3.82	103	4.06	0.55	1.21	T1
LP6-3.2	6	3.2	134	5.28	34	1.34	60	2.36	66	2.60	0.6	1.32	T1
LP6-4.0	6	4	70	2.76	47	1.85	100	3.94	106	4.17	0.65	1.43	T1/T2
LP6-4.5S	6	4.5	67	2.64	67	2.64	96	3.78	109	4.29	0.78	1.72	Spring
LP6-4.5H	6	4.5	70	2.76	47	1.85	100	3.94	106	4.17	0.72	1.59	T1/T2
LP6-4.5	6	4.5	70	2.76	47	1.85	100	3.94	106	4.17	0.74	1.63	T1/T2
LP6-5.0	6	5	169.5	6.67	34.5	1.36	70	2.76	74	2.91	0.89	1.96	T1
LP6-5.4	6	5.4	70	2.76	47	1.85	100	3.94	106	4.17	0.8	1.76	T1/T2
LP6-6.0	6	6	70	2.76	47	1.85	100	3.94	106	4.17	0.9	1.98	T1/T2
LP6-7.0	6	7	150	5.91	34	1.34	94	3.70	100	3.94	1	2.20	T1/T2
LP6-7.2	6	7.2	150	5.91	34	1.34	94	3.70	100	3.94	1.05	2.31	T1/T2
LP6-7.5	6	7.5	150	5.91	34	1.34	94	3.70	100	3.94	1.26	2.78	T1/T2
LP6-7.8	6	7.8	150	5.91	34	1.34	94	3.70	100	3.94	1.2	2.65	T1/T2
LP6-8.5H	6	8.5	98	3.86	56	2.20	118	4.65	119.5	4.70	1.42	3.13	T1/T2
LP6-8.5	6	8.5	150	5.91	34	1.34	94	3.70	100	3.94	1.2	2.65	T1/T2

Model	Rated Voltage (V)	Rated Capacity (Ah)	Approx Dimension								Gross Weight		Type
			Length		Width		Height		Total Height				
		20HR											
		1.75V/cell	mm	in.	mm	in.	mm	in.	mm	in.	Kg	Lbs.	
LP6-10	6	10	151	5.94	50.5	1.99	94	3.70	100	3.94	1.54	3.40	T1/T2
LP6-12	6	12	151	5.94	50.5	1.99	94	3.70	100	3.94	1.6	3.53	T1/T2
LP6-13	6	13	107.5	4.23	70	2.76	140	5.51	140	5.51	2.24	4.94	NT1/PT2
LP6-14	6	14	151	5.94	50.5	1.99	94	3.70	100	3.94	1.9	4.19	T1/T2
LP6-20	6	20	157	6.18	83	3.27	125	4.92	125	4.92	3.3	7.28	T3-A
LP6-36	6	36	161	6.34	87	3.43	163	6.42	169	6.65	5.12	11.29	T2
LP8-3.2	8	3.2	134	5.28	36.5	1.44	63	2.48	69	2.72	0.75	1.65	T1
LP12-0.8	12	0.8	96	3.78	25	0.98	62	2.44	62	2.44	0.33	0.73	/
LP12-1.2	12	1.2	97	3.82	43	1.69	52	2.05	58	2.28	0.48	1.06	T1
LP12-1.9	12	1.9	178	7.01	35	1.38	60	2.36	66	2.60	0.85	1.87	T1
LP12-2.2	12	2.2	70.5	2.78	47.5	1.87	97	3.82	103	4.06	0.78	1.72	T1
LP12-2.3	12	2.3	178	7.01	35	1.38	60	2.36	66	2.60	0.925	2.04	T1
LP12-2.8	12	2.8	132.5	5.22	33.5	1.32	98	3.86	104	4.09	1.08	2.38	T1/T2
LP12-2.9	12	2.9	79	3.11	56	2.20	99	3.90	105	4.13	1.04	2.29	T1/T2
LP12-3.5	12	3.5	134	5.28	67	2.64	59.5	2.34	65.5	2.58	1.19	2.62	T1/T2
LP12-4.0L	12	4	195	7.68	47	1.85	70	2.76	76	2.99	1.5	3.31	T1/T2
LP12-4.0	12	4	90	3.54	70	2.76	101	3.98	107	4.21	1.26	2.78	T1/T2
LP12-4.5	12	4.5	90	3.54	70	2.76	101	3.98	107	4.21	1.44	3.17	T1/T2
LP12-5.0	12	5	151	5.94	53	2.09	93	3.66	99	3.90	1.73	3.81	T1/T2
LP12-5.4	12	5.4	90	3.54	70	2.76	101	3.98	107	4.21	1.68	3.70	T1/T2
LP12-7.0E	12	6	151	5.94	65	2.56	93.5	3.68	99.5	3.92	1.81	3.99	T1/T2
LP12-6.0	12	6	90	3.54	70	2.76	101	3.98	107	4.21	1.82	4.01	T1/T2
LP12-6.5	12	6.5	151	5.94	51	2.01	93	3.66	99	3.90	1.82	4.01	T1/T2
LP12-7.0	12	7	151	5.94	65	2.56	93.5	3.68	99.5	3.92	1.98	4.37	T1/T2
LP12-7.5	12	7.5	151	5.94	65	2.56	93.5	3.68	99.5	3.92	2.28	5.03	T1/T2
LP12-8.0	12	8	151	5.94	65	2.56	93.5	3.68	99.5	3.92	2.5	5.51	T1/T2
LP12-8.5	12	8.5	151	5.94	65	2.56	93.5	3.68	99.5	3.92	2.45	5.40	T1/T2
LP12-9.0	12	9	151	5.94	65	2.56	93.5	3.68	99.5	3.92	2.52	5.56	T1/T2
LP12-10H	12	10	151	5.94	65	2.56	111	4.37	117	4.61	3.07	6.77	T1/T2
LP12-10	12	10	151	5.94	98	3.86	95	3.74	101	3.98	3.06	6.75	T1/T2
LP12-12	12	12	151	5.94	98	3.86	95	3.74	101	3.98	3.24	7.14	T1/T2
LP12-14	12	14	151	5.94	98	3.86	95	3.74	101	3.98	3.78	8.33	T1/T2
LP12-15	12	15	181.5	7.15	76.5	3.01	167.5	6.59	167.5	6.59	4.7	10.36	T2/T3
LP12-18	12	18	181.5	7.15	76.5	3.01	167.5	6.59	167.5	6.59	4.85	10.69	T12(M5)
LP12-20	12	20	181.5	7.15	76.5	3.01	167.5	6.59	167.5	6.59	5.65	12.46	T12-I/T12(M5)
LP12-22	12	22	181.5	7.15	77	3.03	166	6.54	166	6.54	6.85	15.10	T12(M5)
LP12-24	12	24	166	6.54	175	6.89	125	4.92	125	4.92	7.2	15.87	T2/T3
LP12-24H	12	24	164	6.46	125	4.92	174	6.85	174	6.85	7.6	16.76	T12-I(M5)
LP12-26	12	26	166	6.54	175	6.89	125	4.92	125	4.92	7.8	17.20	T12/T12-I(M5)
LP12-28H	12	28	164	6.46	125	4.92	174	6.85	174	6.85	8.35	18.41	T12-I/T12(M5)
LP12-28	12	28	166	6.54	175	6.89	125	4.92	125	4.92	8.2	18.08	T2/T3
LP12-30H	12	30	195	7.68	130	5.12	164	6.46	178	7.01	9.3	20.50	T5
LP12-30	12	30	195	7.68	130	5.12	164	6.46	167	6.57	9.3	20.50	T6-I(M6)
LP12-33	12	33	195	7.68	130	5.12	164	6.46	167	6.57	9.8	21.61	T6-I(M6)
LP12-35	12	35	195	7.68	130	5.12	164	6.46	167	6.57	10.2	22.49	T6-I(M6)
LP24-7.0	24	7	188	7.40	102	4.02	94	3.70	100	3.94	4	8.82	T2
LP24-8.0	24	8	188	7.40	102	4.02	94	3.70	100	3.94	4.6	10.14	T2

Typical Applications

- ◆ All Purpose
- ◆ DC Power Supply
- ◆ Auto Control System
- ◆ Uninterruptable Power Supply(UPS)
- ◆ Emergency Backup Power Supply
- ◆ Communication Power Supply
- ◆ Electric Power System(EPS)
- ◆ Alarm and Security System

LP Models and Parameters(Middle Size)

Model	Rated Voltage (V)	Rated Capacity(Ah)		Approx Dimension								Gross Weight		Type
				Length		Width		Height		Total Height				
		10HR	20HR									mm	in.	
LP6-60	6	60	61.8	185	7.28	112	4.41	205	8.07	205	8.07	9.1	20.06	T2
LP6-200	6	200	208	322	12.68	178	7.01	226	8.90	232	9.13	30.3	66.80	T11(M8)
LP12-38	12	38	40	197	7.76	165	6.50	170	6.69	170	6.69	12	26.46	T6(M6)
LP12-40	12	40	46.8	197	7.76	165	6.50	170	6.69	170	6.69	13.2	29.10	T6(M6)
LP12-45	12	45	47.8	197	7.76	165	6.50	170	6.69	170	6.69	14.2	31.31	T6(M6)
LP12-50	12	50	52.6	257	10.12	132	5.20	200	7.87	200	7.87	15.7	34.61	T6(M6)
LP12-55	12	55	57.8	229	9.02	138	5.43	205	8.07	211	8.31	16.2	35.71	T6(M6)
LP12-60	12	60	62.4	260	10.24	168	6.61	208	8.19	214	8.43	18.4	40.57	T6(M6)
LP12-65	12	65	69	348	13.70	167	6.57	178	7.01	178	7.01	19.2	42.33	T6(M6)
LP12-70	12	70	73.6	348	13.70	167	6.57	178	7.01	178	7.01	21.4	47.18	T6(M6)
LP12-75	12	75	79	260	10.24	168	6.61	208	8.19	214	8.43	21.4	47.18	T6(M6)
LP12-80	12	80	85.6	260	10.24	168	6.61	208	8.19	214	8.43	23.8	52.47	T6(M6)
LP12-90	12	90	98.8	330	12.99	172	6.77	212	8.35	220	8.66	27.6	60.85	T11(M8)
LP12-100	12	100	103	330	12.99	173	6.81	213	8.39	220	8.66	27.8	61.29	T11(M8)
LP12-120	12	120	123.4	408	16.06	177	6.97	225	8.86	225	8.86	35	77.16	T11(M8)
LP12-140	12	140	144	345	13.58	172	6.77	274	10.79	280	11.02	41.2	92.81	T11(M8)
LP12-150	12	150	159	483	19.02	170	6.69	220	8.66	226	8.90	41.9	92.37	T11(M8)
LP12-180	12	180	189	520	20.47	207	8.15	220	8.66	226	8.90	50.3	110.89	T11(M8)
LP12-200	12	200	208	522	20.55	240	9.45	220	8.66	226	8.90	59	130.07	T11(M8)
LP12-250	12	250	262	522	20.55	268	10.55	220	8.66	226	8.90	70.6	155.65	T11(M8)

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Typical Applications

- ◆ Tele-communication central station(wired or cellular)
- ◆ Power system communication,military communication, etc.
- ◆ Network communication including.data transmission, television signaltransmission, etc.
- ◆ Uninterruptable Power System(UPS -for Telecom)

LP Models and Parameters(2V Series)

Model	Rated Voltage (V)	Rated Capacity (Ah)	Approx Dimension								Gross Weight		Type
			Length		Width		Height		Total Height				
		10HR											
		mm	in.	mm	in.	mm	in.	mm	in.	Kg	Lbs.		
LP2-200	2	200	170	6.69	110	4.33	328	12.91	348	13.70	12.5	27.56	T11(M8)
LP2-300	2	300	170	6.69	150	5.91	328	12.91	348	13.70	17.3	38.14	T11(M8)
LP2-400	2	400	210	8.27	175	6.89	330	12.99	350	13.78	23.9	52.69	T11(M8)
LP2-600	2	600	300	11.81	175	6.89	330	12.99	350	13.78	34.9	76.94	T11(M8)
LP2-800	2	800	410	16.14	175	6.89	330	12.99	350	13.78	47.3	104.28	T11(M8)
LP2-1000	2	1000	475	18.70	175	6.89	328	12.91	350	13.78	56.6	124.78	T11(M8)
LP2-65	2	65	170	6.69	72	2.83	205	8.07	214	8.43	4.2	9.26	T6(M6)
LP2-100	2	100	170	6.69	72	2.83	205	8.07	214	8.43	5.7	12.57	T6(M6)
LP2-120	2	120	170	6.69	98	3.86	205	8.07	214	8.43	7	15.43	T7(M6)
LP2-150	2	150	170	6.69	98	3.86	205	8.07	214	8.43	8.4	18.52	T7(M6)
LP2-250	2	250	170	6.69	110	4.33	328	12.91	350	13.78	14	30.86	T11(M8)
LP2-350	2	350	170	6.69	150	5.91	328	12.91	348	13.70	19.2	42.33	T11(M8)
LP2-450	2	450	210	8.27	175	6.89	330	12.99	350	13.78	26	57.32	T11(M8)
LP2-500	2	500	240	9.45	175	6.89	330	12.99	350	13.78	28.3	62.39	T11(M8)
LP2-1200	2	1200	475	18.70	175	6.89	328	12.91	350	13.78	63.8	140.65	T11(M8)
LP2-2500	2	2500	490	19.29	350	13.78	339	13.35	349	13.74	133	293.21	T11(M8)

UPS



Telecom



Electricity



Railway Signal



LEOCH VRLA-AGM BATTERY TERMINAL OPTIONS

Unit:mm[Inch]

■ T1	■ T2	■ T3	■ T3-A
■ T5	■ T6	■ T6-I	■ T7
■ T11	■ T12	■ Special design	■ Spring Terminal
■ Connector			



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