

PKENERGY[®]



Customize Solution of Rechargeable Lithium Battery



SHENZHEN PKENERGY ENERGY CO.,LTD
www.pkenergy.com

SLA Replacement Lithium-ion Battery >>>>>>



- 10-year warranty and maintenance free with a 4000-8000 cycles life span.
- Detachable cover with replaceable BMS and cells.
- Connect in series for 24, 36 or 48 volt (maximum) battery bank or connect in parallel for larger capacity.
- Built-in smart Battery Management System (BMS).
- Low temperature charging cut-off.
- High temperature charging or discharging cut-off.
- Over charging and discharging protection.
- Over current and short circuit protection.
- Battery cells auto balance.

Model	Nominal Voltage (V)	Nominal Capacity (Ah)	Dimension (mm)				Weight (KG)
			L	W	H	TH	
PKG6-4	6.4	4	70	47	101	106	0.35
PKG6-4.5	6.4	4.5	70	47	101	106	0.35
PKG6-5.4	6.4	5.4	70	47	101	106	0.35
PKG12-1.8	12.8	1.8	97	43	52	58	0.24
PKG12-4.5	12.8	4.5	90	70	101	107	0.67
PKG12-5.4	12.8	5.4	90	70	101	107	0.67
PKG12-7.0	12.8	7	151	65	95	100	1.1
PKG12-7.5	12.8	7.5	151	65	95	100	1.1
PKG12-9	12.8	9	151	65	95	100	1.1
PKG12-10	12.8	10	151	98	95	101	1.4
PKG12-12	12.8	12	151	98	95	101	1.7
PKG12-15	12.8	15	151	98	95	101	2.2
PKG12-18	12.8	18	181	77	167	167	2.7
PKG12-20	12.8	20	181	77	167	167	2.9
PKG12-22	12.8	22	181	77	167	167	2.9
PKG12-25	12.8	25	174	165	125	125	3.3
PKG12-28	12.8	28	175	175	107	112	3.9
PKG12-30	12.8	30	181	77	168	168	4.6
PKG12-32	12.8	32	194	130	155	168	4.6
PKG12-33	12.8	33	194	130	155	168	4.6
PKG12-36	12.8	36	175	175	112	115	4.2
PKG12-38	12.8	38	166	175	125	125	4.2
PKG12-40	12.8	40	194	130	157	163	5.2
PKG12-50	12.8	50	229	138	208	213	7.8
PKG12-55	12.8	55	229	138	208	213	7.8
PKG12-60	12.8	60	258	134	212	212	8.5
PKG12-80	12.8	80	228	138	208	213	9.5
PKG12-100	12.8	100	328	173	214	219	14.2
PKG12-120	12.8	120	259	167	212	217	13.1
PKG12-150	12.8	150	483	170	235	235	19.7
PKG12-200	12.8	200	522	240	219	223	28.3
PKG12-250	12.8	243	483	170	235	235	26.5

Prismatic LFP Cell >>>>>>

Applications:

1. Renewable Energy Storage Systems

- Wind Power System
- Solar Power System

2. High-end SLI Applications

- RV
- Yacht
- PHEV

3. Motive Power Applications

- Balance Wheel
- AGV
- Stacker
- Sweeper
- Golf Cart
- Wheel Chair



Prismatic Li-FePO4 Battery

Battery Type	Model	Nominal Voltage (V)	Nominal Capacity (Ah)	Charging Current		Discharging Current		Dimension (mm)	Weight Approx (g)
				Standard	Max	Standard	Max		
Li-FePO4 Battery	LFP20-2000mAh	3.2	20	0.2C	0.5C	0.5C	1C	10.*117*169	625±10
	LFP25-2500mAh	3.2	25	0.2C	0.5C	0.5C	1C	10*94*249	680±18
	LFP30-3000mAh	3.2	30	0.2C	0.5C	0.5C	1C	7.5*159*270	700±18
	LFP50-5000mAh	3.2	50	0.2C	0.5C	0.5C	1C	40*149*102	1330±50
	LFP50F-5000mAh	3.2	50	0.2C	0.5C	0.5C	1C	27*148*129	1050±100
	LFP50K-5000mAh	3.2	50	0.2C	0.5C	0.5C	1C	29*135*185	1395±50
	LFP50M-5000mAh	3.2	50	0.2C	0.5C	0.5C	1C	11*165*260	1330±100
	LFP80-8200mAh	3.2	82	0.2C	0.5C	0.5C	1C	36*130*170	1680±50
	LFP90-9000mAh	3.2	90	0.2C	0.5C	0.5C	1C	36*130*200	1994±50
	LFP100-10000mAh	3.2	100	0.2C	0.5C	0.5C	1C	48*173*133	2110±100
	LF100L-10000mAh	3.2	100	0.2C	0.5C	0.5C	1C	36*130*200	1980±50
	LFP105-10500mAh	3.2	105	0.2C	0.5C	0.5C	1C	50*160*118	1980±100
	LFP105K-10500mAh	3.2	105	0.2C	0.5C	0.5C	1C	54*173*113	1980±100
	LFP173-17300mAh	3.2	173	0.2C	0.5C	0.5C	1C	41*174*207	3250±150
	LFP206-20600mAh	3.2	206	0.2C	0.5C	0.5C	1C	54*173*200	4000±120
	LFP230-23000mAh	3.2	230	0.2C	0.5C	0.5C	1C	54*174*207	4110±100
	LFP277-27700mAh	3.2	277	0.2C	0.5C	0.5C	1C	72*174*208	5350±300
LFP280-28000mAh	3.2	280	0.2C	0.5C	0.5C	1C	72*174*207	5420±300	
LFP302-30200mAh	3.2	302	0.2C	0.5C	0.5C	1C	72*174*208	5510±300	
LFP304-30400mAh	3.2	304	0.2C	0.5C	0.5C	1C	72*174*209	5490±300	

Cylindrical Li-ion Battery >>>>>>

Battery Features

- High Energy Density
- Low Maintenance
- Low Self-discharge
- Quick Charging
- Small and Light
- Longevity



Cylindrical Li-ion Battery

Type	Model(ICR)	Voltage(V)	Capacity(mAh)	Dimension(mm)	WeightApprox (g)
Capacity Type	10150	3.7	80	10.3*15	5
	10440	3.7	320	10.3*44	10
	14200	3.7	150	14.2*20	8
	14280	3.7	320	14.2*28	10
	14430	3.7	650	14.2*43	16
	14500	3.7	800	14.2*50.2	18.5
	14650	3.7	1200	14.2*65	25.5
	16280	3.7	550	16.8*28	12
	16340	3.7	700	16.8*34	17
	16500	3.7	1200	16.8*50.2	18
	16650	3.7	1800	16.3*65.2	38
	18350	3.7	900	18.3*35.2	21
	18500	3.7	1600	18.3*50.2	36
	18620	3.7	2000	18.3*62.2	40
	18650	3.7	2600	18.5*65.2	45
	18650	3.7	2000	18.5*65.2	40
	21700	3.7	5000	21.5*70.2	50
	22430	3.7	2000	21.5*43.2	45
	22500	3.7	2400	22.3*50.2	46
	22650	3.7	3000	22.3*65.2	48
	26350	3.7	2000	26.5*35.2	48
	26500	3.7	3200	26.3*50.2	52
	26650	3.7	5000	26.3*65.2	56
	26650	3.7	4500	26.3*65.2	55
32550	3.7	5000	32.5*60.2	52	
32600	3.7	5500	32.5*60.5	56	
32650	3.7	6500	32.3*65.2	58	
34600	3.7	7000	34.3*60.2	60	
5C/10C Discharge	14250	3.7	240	14.2*25	10
	14500	3.7	650	14.2*50.2	18.5
	14650	3.7	900	14.2*65.2	20
	16340	3.7	600	16.8*34	17
	16500	3.7	800	16.8*50.2	18
	18350	3.7	700	18.3*35.2	18
	18500	3.7	1100	18.3*50.2	38
	18650	3.7	1500	18.3*65.2	40
	18650	3.7	2200	18.5*65.2	43
	18650	3.7	2000	18.5*65.2	42
	21700	3.7	3000	21.5*70.2	50
	22650	3.7	2000	23.5*65.2	48
	26500	3.7	2000	26.3*50.2	52
	26650	3.7	3400	26.5*65.2	56

Cylindrical Li-FeP04 Battery >>>>>>

Battery Features

- Maintenance-free for the life of the battery
- Extremely low self-discharge rate
- Over 2000 discharge cycles life
- Virtually flat discharge curve
- High discharge rate capability
- Safe technology



Applications:



E-bike battery



Balance scooter Battery



Forklift Battery



Golf cart Battery



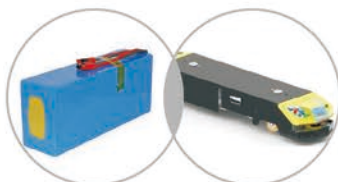
Skateboard battery



cleaning equipment battery



E-boat Battery



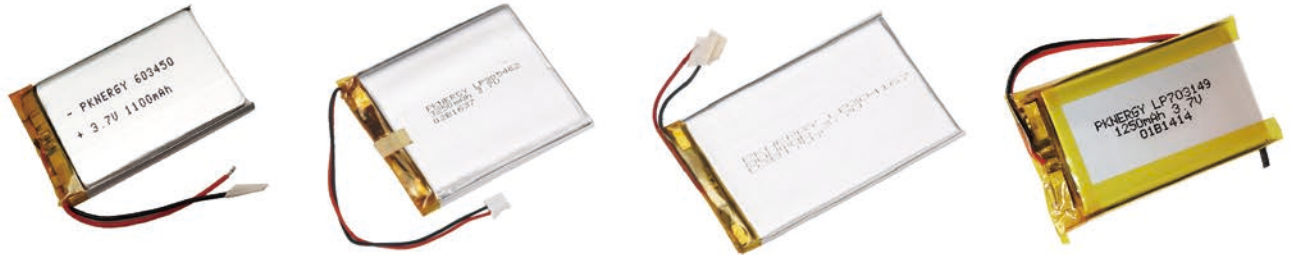
AGV Battery

Cylindrical Li-FeP04 Battery

Battery Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Charging Current		Discharging Current			Dimension (mm)	Weight Approx (g)
				Standard	Max	Standard	Fast	Max		
Li-FeP04 Battery	IFR10440-200mAh	3.2	200	0.5C	1C	0.5C	1C	3C	φ10.3*44.2	7
	IFR14500-600mAh	3.2	600	0.5C	1C	0.5C	1C	3C	φ14.2*50.2	17
	IFR14650-800mAh	3.2	800	0.5C	1C	0.5C	1C	3C	φ14.2*65.3	21
	IFR17335-400mAh	3.2	400	0.5C	1C	0.5C	1C	3C	φ16.8*34.5	17
	IFR18490-850mAh	3.2	850	0.5C	1C	0.5C	1C	3C	φ18.1*49.1	29
	IFR18500-1000mAh	3.2	1000	0.5C	1C	0.5C	1C	3C	φ18.1*50.2	32
	IFR18650-1500mAh	3.2	1500	0.5C	1C	0.5C	1C	3C	φ18.3*65.5	42
	IFR22650-2000mAh	3.2	2000	0.5C	1C	0.5C	1C	3C	φ22.5*65.3	62
	IFR26500-2200mAh	3.2	2200	0.5C	1C	0.5C	1C	3C	φ26.5*50.3	65
	IFR26650-3400mAh	3.2	3400	1C	1C	0.5C	1C	3C	φ26.5*65.3	85
	IFR32600-4000mAh	3.2	4000	2C	1C	0.5C	1C	3C	φ32.5*60.5	125
	IFR32650-6000mAh	3.2	6000	1C	1C	0.5C	1C	3C	φ32.3*65.2	141
	IFR32700-7000mAh	3.2	7000	2C	1C	0.5C	1C	3C	φ32.3*70.2	156
	IFR42110-11000mAh	3.2	11000	1C	1C	0.5C	1C	3C	φ42.5*110.5	325
	IFR42120-13000mAh	3.2	13000	2C	1C	0.5C	1C	3C	φ42.5*120.5	355
	IFR61300-50000mAh	3.2	50000	1C	1C	0.5C	1C	3C	φ61*300	2000
IFR73435-100000mAh	3.2	100000	2C	1C	0.5C	1C	3C	φ73*435	4000	

Li-polymer Battery >>>>>>

Li-polymer Battery



Item	Series	Model	Nominal Capacity(mAh)	Nominal Voltage(V)	Inner Resistance(mΩ)	Dimension (mm)			Working Temperature(°C)
						Thickness	Width	Length	
1	1012	261012PL	12	3.7	1550	2.6	10	12	-10~+45
2		451012PL	33	3.7	540	4.5	10	12	-10~+45
3		451012PL	36	3.7	510	4.5	10	12	-10~+45
4	1013	381013PL	25	3.7	700	3.8	10	13	-10~+45
5	1014	441014PL	40	3.7	480	4.4	10	14	-10~+45
6	1015	251015PL	15	3.7	1250	2.5	10	15	-10~+45
7		451015PL	40	3.7	480	4.5	10	15	-10~+45
8		601015PL	50	3.7	380	6	10	15	-10~+45
9	1018	381018PL	40	3.7	480	3.8	10	18	-10~+45
10		381018PL	45	3.7	370	3.8	10	18	-10~+45
11	1020	371020PL	45	3.7	430	3.7	10	20	-10~+45
12		421020PL	50	3.7	370	4.2	10	20	-10~+45
13		501020PL	70	3.7	290	5	10	20	-10~+45
14	1022	551022PL	80	3.7	270	5.5	10	22	-10~+45
15	1116	311116PL	27	3.7	660	3.1	11	16	-10~+45
16	1120	401120PL	60	3.7	330	4	11	20	-10~+45
17	1024	401024PL	67	3.7	330	4	10	24	-10~+45
18		501024PL	80	3.7	270	5	10	24	-10~+45
19	1025	361025PL	60	3.7	330	3.6	10	25	-10~+45
20		501025PL	90	3.7	270	5	10	25	-10~+45
21	1017	401017PL	40	3.7	470	4	10	17	-10~+45
22		551017PL	60	3.7	380	5.5	10	17	-10~+45
23	1027	481027PL	100	3.7	220	4.8	10	27	-10~+45
24	1028	321028PL	68	3.7	310	3.2	10	28	-10~+45
25		341028PL	63	3.7	330	3.4	10	28	-10~+45
26		361028PL	65	3.7	330	3.6	10	28	-10~+45
27	1030	301030PL	60	3.7	350	3	10	30	-10~+45
28		361030PL	75	3.7	290	3.6	10	30	-10~+45
29		481030PL	115	3.7	220	4.8	10	30	-10~+45
30	1033	531033PL	140	3.7	180	5.3	10	33	-10~+45
31	1050	501050PL	200	3.7	150	5	10	50	-10~+45
32	1117	501117PL	55	3.7	350	5	11	17	-10~+45
33	1119	601119PL	95	3.7	240	6	11	19	-10~+45
34	1125	601125PL	120	3.7	220	6	11	25	-10~+45
35	1128	471128PL	120	3.7	220	4.7	11	28	-10~+45
36	1133	251133PL	55	3.7	370	2.5	11	33	-10~+45
37		421133PL	115	3.7	220	4.2	11	33	-10~+45
38	1145	521145PL	220	3.7	160	5.2	11	45	-10~+45
39		521145PL	240	3.7	150	5.2	11	45	-10~+45
40	1215	301215PL	30	3.7	550	3	12	15	-10~+45
41		401215PL	40	3.7	500	4	12	15	-10~+45
42		681215PL	80	3.7	270	6.8	12	15	-10~+45
43	1218	321218PL	42	3.7	400	3.2	12	18	-10~+45
44		501218PL	75	3.7	300	5	12	18	-10~+45



Prismatic Lithium-Polymer Battery

Item	Series	Model	Nominal Capacity(mAh)	Nominal Voltage(V)	Inner Resistance(mΩ)	Dimension (mm)			Working Temperature(°C)
						Thickness	Width	Length	
45	1220	301220PL	50	3.7	400	3	12	20	-10~+45
46		381220PL	60	3.7	350	3.8	12	20	-10~+45
47		601220PL	100	3.7	240	6	12	20	-10~+45
48	1223	421223PL	80	3.7	285	4.2	12	23	-10~+45
49	1225	401225PL	90	3.7	270	4	12	25	-10~+45
50		501225PL	100	3.7	220	5	12	25	-10~+45
51	1230	401230PL	120	3.7	200	4.5	12	30	-10~+45
52		501230PL	130	3.7	180	5	12	30	-10~+45
53		651230PL	190	3.7	185	6.5	12	30	-10~+45
54	1235	501235PL	150	3.7	160	5	12	35	-10~+45
55		501235PL	151	3.7	120	5	12	35	-10~+45
56		501235PL	170	3.7	150	5	12	35	-10~+45
57	1222	601222PL	100	3.7	220	6	12	22	-10~+45
58	1223	701223PL	150	3.7	160	7	12	23	-10~+45
59	1245	501245PL	230	3.7	135	5	12	45	-10~+45
60		551245PL	250	3.7	120	5.5	12	45	-10~+45
61	1248	601248PL	250	3.7	120	6	12	48	-10~+45
62		651248PL	320	3.7	140	6.5	12	48	-10~+45
63	1350	451350PL	280	3.7	130	4.5	13	50	-10~+45
64		481350PL	300	3.7	110	4.8	13	50	-10~+45
65		801350PL	500	3.7	100	8	13	50	-10~+45
66	1360	451360PL	330	3.7	110	4.5	13	60	-10~+45
67	1415	271415PL	20	3.7	900	2.7	14	15	-10~+45
68		431415PL	60	3.7	350	4.3	14	15	-10~+45
69	1417	301417PL	40	3.7	500	3	14	17	-10~+45
70		511417PL	85	3.7	275	5	14	17	-10~+45
71		501417PL	80	3.7	280	5	14	17	-10~+45
72	1420	481420PL	110	3.7	200	1.8	14	20	-10~+45
73	1430	301430PL	110	3.7	200	3	14	30	-10~+45
74		401430PL	110	3.7	200	4	14	30	-10~+45
75		551430PL	200	3.7	155	5.5	14	30	-10~+45
76	1435	351435PL	130	3.78	200	3.5	14	35	-10~+45
77		401435PL	130	3.7	200	4	14	35	-10~+45
78		551435P	180	3.7	160	5.5	14	35	-10~+45
79	1450	801450PL	460	3.7	90	8	14	50	-10~+45
80	1520	801520PL	180	3.7	160	8	15	20	-10~+45
81	1525	301525PL	80	3.7	260	3	15	25	-10~+45
82		551525PL	165	3.7	160	5	15	25	-10~+45
83		601525PL	170	3.7	190	6	15	25	-10~+45
84		801525PL	230	3.7	140	8	15	25	-10~+45
85	1530	801530PL	270	3.7	130	8	15	30	-10~+45
86	1535	851535PL	350	3.7	110	8.5	15	35	-10~+45
87	1550	401550PL	250	3.7	120	4	15	50	-10~+45
88		501550PL	360	3.7	110	5	15	50	-10~+45
89	1618	311618PL	55	3.7	350	3.1	16	18	-10~+45
90		351618PL	80	3.7	270	3.5	16	18	-10~+45
91	1620	381620PL	90	3.7	240	3.8	16	20	-10~+45
92		651620PL	100	3.7	220	6.5	16	20	-10~+45
93	1630	301630PL	100	3.7	240	3	16	30	-10~+45
94		351630PL	145	3.7	170	3.5	16	30	-10~+45
95		501630PL	200	3.7	150	5	16	30	-10~+45
96	1646	521646PL	370	3.7	100	5.2	16	46	-10~+45
97	1650	351650PL	275	3.7	130	3.5	16	50	-10~+45
98	1721	751721PL	180	3.7	160	7.5	17	21	-10~+45
99	1725	251725PL	65	3.7	330	2.5	17	25	-10~+45
100		351725PL	110	3.7	220	3.5	17	25	-10~+45
101		501725PL	140	3.7	180	5	17	25	-10~+45
102		851725PL	270	3.7	140	8.5	17	25	-10~+45
103	1945	451945PL	400	3.7	95	4.5	19	45	-10~+45
104	2023	302023PL	100	3.7	240	3	20	23	-10~+45
105		602023PL	220	3.7	140	6	20	23	-10~+45
106	2024	602024PL	250	3.7	120	6	20	24	-10~+45
107		802024PL	300	3.7	115	8	20	24	-10~+45
108	2025	302025PL	110	3.7	230	3	20	25	-10~+45
109		402025PL	150	3.7	160	4	20	25	-10~+45
110		602025PL	250	3.7	120	6	20	25	-10~+45
111	2030	402030PL	180	3.7	140	4	20	30	-10~+45
112		502030PL	250	3.7	120	5	20	30	-10~+45
113		702030PL	350	3.7	100	7	20	30	-10~+45
114		902030PL	500	3.7	85	9	20	30	-10~+45
115	2033	332033PL	200	3.7	135	3.3	20	33	-10~+45
116	2035	302035PL	170	3.7	150	3	20	35	-10~+45
117		362035PL	220	3.7	130	3.6	20	35	-10~+45
118		402035PL	230	3.7	130	4	20	35	-10~+45
119		502035PL	300	3.7	115	5	20	35	-10~+45
120		552035PL	350	3.7	98	5.5	20	35	-10~+45
121		852035PL	630	3.7	83	8.5	20	35	-10~+45



PK ENERGY

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