



# Huiyao

## Intelligent Technology (Tianjin) Co., Ltd.

New Energy Technology  
Supply Chain  
One-Stop Solution

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**Personal**  
150+



**Plant Area**  
10800m<sup>2</sup>

# Power System

## Cell Solution LFP



	26148 Platform Products		52148 Platform Products	
	L148F26	L148F88	L148F88	L148F104
Chemical System	LFP	LFP	LFP	LFP
Dimension (mm)	148.2*26.7*78	148*52*104.5	148*52*104.5	148*52*117.5
Nominal capacity (Ah)	25.5	90.2	90.2	106
Nominal voltage (V)	3.22	3.22	3.22	3.22
Gravimetric Energy Density (Wh/kg, 1/3c)	142	179	179	183
Volumetric Energy Density (Wh/L, 1/3c)	266	361	361	377
Operating Voltage (V)	2.5-3.65	2.5-3.65	2.5-3.65	2.5-3.65
Weight (kg)	0.58	1.62	1.62	1.83
Fast Charging (min)	30min@30-80%SOC,25°C		20min@10~80%SOC,25°C	
FC Cycle Life	≥4000times@80%SOH	≥2800times@80%SOH	≥2800times@80%SOH	≥2500times@80%SOH



	30194 Platform Products		50194 Platform Products	
	L194F54A	L194F54A	L194F130E	L194F130E
Chemical System	LFP	LFP	LFP	LFP
Dimension (mm)	194.3*30.3*87.0	194.3*30.3*87.0	194.86*50.7*112.7	194.86*50.7*112.7
Nominal capacity (Ah)	55.4	55.4	133.2	133.2
Nominal voltage (V)	3.22	3.22	3.22	3.22
Gravimetric Energy Density (Wh/kg, 1/3c)	165	165	185	185
Volumetric Energy Density (Wh/L, 1/3c)	348	348	385	385
Operating Voltage (V)	2.5-3.65	2.5-3.65	2.5-3.65	2.5-3.65
Weight (kg)	1.08	1.08	2.32	2.32
Fast Charging (min)	30min@30%-80%SOC,25°C		25min,30-80%SOC@25°C	
FC Cycle Life	≥4000times@80%SOH		≥2500times@80%SOH	

# Power System

## Cell Solution LFP



	36173 Platform Products		54173 Platform Products
	L173F125A	L173F163A	L173F230CA
Chemical System	LFP	LFP	LFP
Dimension (mm)	174.4*36.4*178	174.4*36.4*220	173.9*53.7*207.2
Nominal capacity (Ah)	127	165	237
Nominal voltage (V)	3.22	3.22	3.22
Gravimetric Energy Density (Wh/kg, 1/3c)	167	174	181.5
Volumetric Energy Density (Wh/L, 1/3c)	367	385	399
Operating Voltage (V)	2.5-3.65	2.5-3.65	2.5-3.65
Weight (kg)	2.45	3.05	4.2
Fast Charging (min)	40min@30-80%SOC,25°C		40min,20%-80%SOC@25°C
FC Cycle Life	≥3000times@80%SOH	≥3000times@70%SOH	≥7000times@70%SOH



	50194 Platform Products	60194 Platform Products	
	L194F130A	L194F167A	L194F168A
Chemical System	LFP	LFP	LFP
Dimension (mm)	194.3*50.7*112.9	194.3*60.7*114.8	194.8*60.7*112.9
Nominal capacity (Ah)	133.2	171	170
Nominal voltage (V)	3.22	3.21	3.21
Gravimetric Energy Density (Wh/kg, 1/3c)	183	193	190
Volumetric Energy Density (Wh/L, 1/3c)	385	405	409
Operating Voltage (V)	2.5-3.65	2.5-3.65	2.5-3.65
Weight (kg)	2.34	2.85	2.87
Fast Charging (min)	20min@10-80%SOC,25°C	30min@10~80%SOC,25°C	25min@30~80%SOC,25°C
FC Cycle Life	≥2000times@80%SOH	2500times@80%SOH	≥2500times@80%SOH

# Power System

## Cell Solution LFP



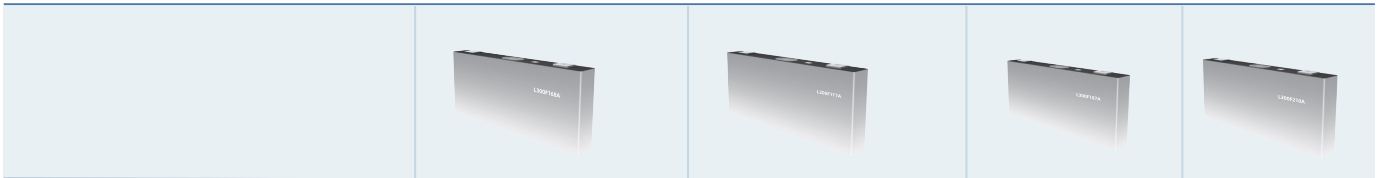
	<b>26300 Platform Products</b>	<b>32300 Platform Products</b>
	<b>L300F97A</b>	<b>L300F99A</b>
Chemical System	LFP	LFP
Dimension (mm)	300*25.6*104	300*32*88.3
Nominal capacity (Ah)	98.7	101.36
Nominal voltage (V)	3.22	3.22
Gravimetric Energy Density (Wh/kg, 1/3c)	183	180
Volumetric Energy Density (Wh/L, 1/3c)	408	397
Operating Voltage (V)	2.5-3.65	2.5-3.65
Weight (kg)	1.736	1.815
Fast Charging (min)	25min@10-80%SOC,25°C	15min@30-80%SOC,25°C
FC Cycle Life	≥2200times@ 80% SOH	≥2000times@ 80% SOH



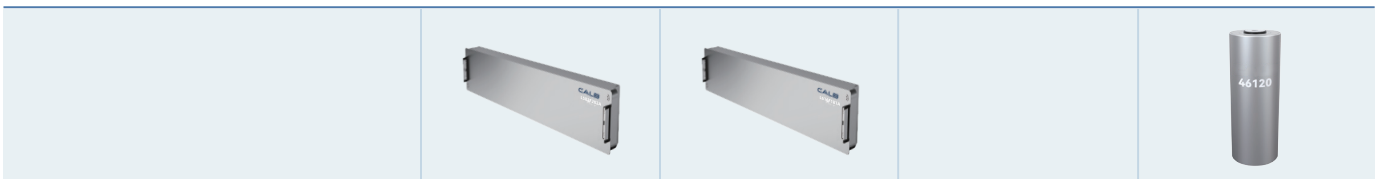
	<b>44221 Platform Products</b>	<b>50160 Platform Products</b>
	<b>L221F131A</b>	<b>L160F100A</b>
Chemical System	LFP	LFP
Dimension (mm)	220.8*44.46*112.0	160*49.9*118.4
Nominal capacity (Ah)	133	100
Nominal voltage (V)	3.22	3.22
Gravimetric Energy Density (Wh/kg, 1/3c)	181.5	164
Volumetric Energy Density (Wh/L, 1/3c)	398	341
Operating Voltage (V)	2.5-3.65	2.5-3.65
Weight (kg)	2.36	1.97
Fast Charging (min)	23min@30-80%SOC,25°C	40min@30-80%SOC,25°C
FC Cycle Life	≥2500times@80%SOH	≥3000times@70%SOH

# Power System

## Cell Solution LFP



	45300 Platform Products		38300 Platform Products		50300 Platform Products	
	L300F168A	L300F177A	L300F177A	L300F187A	L300F210A	L300F210A
Chemical System	LFP	LFP	LFP	LFP	LFP	LFP
Dimension (mm)	300*45.5*99.0	300*37.8*127.0	300*37.8*127.0	300*50.7*111	300*50.7*111	300*50.7*111
Nominal capacity (Ah)	173	179	179	190	213	213
Nominal voltage (V)	3.21	3.22	3.22	3.22	3.22	3.22
Gravimetric Energy Density (Wh/kg, 1/3c)	186	181	181	175	186	186
Volumetric Energy Density (Wh/L, 1/3c)	411	408	408	362	406	406
Operating Voltage (V)	2.5-3.65	2.5-3.65	2.5-3.65	2.5-3.65	2.5-3.65	2.5-3.65
Weight (kg)	2.98	3.18	3.18	3.49	3.69	3.69
Fast Charging (min)	21min@30-80%SOC,25°C	40min@10-80%SOC,25°C	40min@10-80%SOC,25°C	30min@10~80%SOC,25°C		30min@10~80%SOC,25°C
FC Cycle Life	≥3000times@70%SOH	≥3000times@80%SOH	≥3000times@80%SOH	≥2500times@80%SOH		≥2500times@80%SOH



	OS Platform Products			Cylindrical Battery
	L582F202A	L616F181A	L587F143A	46120
Chemical System	LFP	LFP	LFP	LFP
Dimension (mm)	586*24.3*115	616*24.7*94.5	591*19.3*102	46*120
Nominal capacity (Ah)	204	184	145	28
Nominal voltage (V)	3.21	3.2	3.2	3.21
Gravimetric Energy Density (Wh/kg, 1/3c)	189	195	189	196
Volumetric Energy Density (Wh/L, 1/3c)	400	408	400	450
Operating Voltage (V)	2.5-3.65	2.5-3.65	2.5-3.65	2.5-3.65
Weight (kg)	3.47	3.02	2.45	0.46
Fast Charging (min)	20min@10%-80%SOC,25°C	25min@30%-80%SOC,25°C	20min@10%-80%SOC,25°C	30min@30%-80%SOC,25°C
FC Cycle Life	≥2500times@80%SOH	≥2500times@80%SOH	≥2500times@80%SOH	2000times@80%SOH

# Power System

## Cell Solution NCM



	26148 Platform Products		50194 Platform Products	
	L148N50B	L148N58A	L194N149A	L194N161A
Chemical System	NCM	NCM	NCM	NCM
Dimension (mm)	148.2*26.7*101.9	148.2*26.7*105.8	194.3*50.7*112.9	194.3*50.7*112.9
Nominal capacity (Ah)	50.0	58	153.0	165.0
Nominal voltage (V)	3.7	3.73	3.77	3.75
Gravimetric Energy Density (Wh/kg, 1/3c)	215	233	240	252
Volumetric Energy Density (Wh/L, 1/3c)	468	516	519	556
Operating Voltage (V)	2.75-4.30	2.75-4.35	2.8-4.4	2.8-4.35
Weight (kg)	0.86	0.93	2.4	2.46
Fast Charging (min)	50min@5-80%SOC,25°C	50min@5-80%SOC,25°C	10min@20-80%SOC,25°C	20min@10-80%SOC,25°C
FC Cycle Life	≥2000times@80%SOH		≥1500times@80%SOH	



	44221 Platform Products	
	L221N147A	L221N169A
Chemical System	NCM	NCM
Dimension (mm)	220.8*44.5*105.2	220.3*44.5*112.2
Nominal capacity (Ah)	150	173
Nominal voltage (V)	3.76	3.73
Gravimetric Energy Density (Wh/kg, 1/3c)	241	255
Volumetric Energy Density (Wh/L, 1/3c)	546	587
Operating Voltage (V)	2.8-4.35	2.8-4.35
Weight (kg)	2.34	2.53
Fast Charging (min)	15min@30-80%SOC,25°C	40min@5%-80%SOC,25°C
FC Cycle Life	≥2000times@80%SOH	

# Power System

## Cell Solution NCM



	33221 Platform Products		44221 Platform Products
	L221N107A	L221N113B	L221N122A
Chemical System	NCM	NCM	NCM
Dimension (mm)	220.8*33.4*105.9	220.8*33.4*105.9	220.8*44.5*85
Nominal capacity (Ah)	110.0	115.0	124
Nominal voltage (V)	3.75	3.73	3.74
Gravimetric Energy Density (Wh/kg, 1/3c)	238	239	245
Volumetric Energy Density (Wh/L, 1/3c)	529	550	555
Operating Voltage (V)	2.8-4.35	2.8-4.35	2.8-4.35
Weight (kg)	1.73	1.8	1.89
Fast Charging (min)	15min@30-80%SOC,25°C	50min@5-80%SOC,25°C	30min@10-80%SOC,25°C
FC Cycle Life	≥2000times@80%SOH	≥2000times@80%SOH	≥1500times@80%SOH



	32300 Platform Products	28300 Platform Products		Cylindrical battery
	L300N129	L300N137B	L300N256A	4695
Chemical System	NCM	NCM	NCM	NCM
Dimension (mm)	300*32.0*93.3	300.0*27.8*111.0	300*37.8*127.0	46*95
Nominal capacity (Ah)	132	140.0	259.0	35.6
Nominal voltage (V)	3.75	3.74	3.68	3.61
Gravimetric Energy Density (Wh/kg, 1/3c)	248	247	281	300
Volumetric Energy Density (Wh/L, 1/3c)	553	591	662	814
Operating Voltage (V)	2.8-4.35	2.8-4.35	2.8-4.35	2.5-4.25
Weight (kg)	2	2.13	3.39	0.43
Fast Charging (min)	15min@30-80%SOC,25°C	20min@10-80%SOC,25°C	55min@10-80%SOC,25°C	10min@10-80%SOC,25°C
FC Cycle Life	≥1500times@80%SOH	≥2000times@80%SOH	1400times@80%SOH	1500times@80%SOH



**晖耀智能**  
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