

LiFePO4 Cell Data Sheet

Cylindrical and prismatic lithium iron phosphate cells, 3.2V nominal, 3.65V maximum charge voltage.

Every cell is 3.2V nominal with a 3.65V maximum charge voltage and a 2.0V cut-off discharge voltage. Published life cycles are measured at 80% depth of discharge.

Cells are supplied bare, with tabs, assembled with a protection circuit board, wire and connector, or as a complete battery module.

All figures on this sheet are published by Sunder Battery on sunderbattery.com. Nothing here is estimated. Where a value depends on a test condition, the condition is printed beside it.

Cylindrical LiFePO4 Cell Model List

Model	Nominal voltage (V)	Nominal Capacity (mAh)	Dimension D*H (mm)	Life Cycles (DOD 80%)	Max. charge voltage (V)	Cut-off discharge voltage (V)	Weight (g)
IFR18500	3.2	850	18.5*50.2	>=2000	3.65	2.00	30
IFR18650	3.2	1400	18.5*65.3	>=2000	3.65	2.00	45
IFR18650	3.2	1500	18.5*65.3	>=2000	3.65	2.00	45
IFR26650	3.2	3000	26.5*65.3	>=2000	3.65	2.00	85
IFR26650	3.2	3200	26.5*65.3	>=2000	3.65	2.00	88
IFR26650	3.2	3500	26.5*65.3	>=2000	3.65	2.00	90
IFR32600	3.2	4000	32.5*60.5	>=2000	3.65	2.00	129
IFR42110	3.2	10000	42.5*110.5	>=2000	3.65	2.00	350

Cylindrical LiFePO4 Cell Model List, Extended Sizes

Model	Nominal voltage (V)	Nominal Capacity (mAh)	Dimension D*H (mm)	Max. charge voltage (V)	Cut-off discharge voltage (V)	Weight (g)
IFR18500	3.2	850	18.5*50.2	3.65	2.00	30
IFR18650	3.2	1400	18.5*65.6	3.65	2.00	45
IFR18650	3.2	1500	18.5*65.6	3.65	2.00	45
IFR26650	3.2	3000	26.5*66.5	3.65	2.00	85
IFR26650	3.2	3200	26.5*66.5	3.65	2.00	88
IFR26650	3.2	3500	26.5*66.5	3.65	2.00	90
IFR32600	3.2	4000	32.5*60.5	3.65	2.00	129
IFR32650	3.2	5000	32.5*70.9	3.65	2.00	143
IFR32700	3.2	6000	32.5*70.9	3.65	2.00	145

Prismatic LiFePO4 Cell Model List, 10Ah To 300Ah

Model	Nominal voltage (V)	Nominal Capacity (Ah)	Dimension T*W*H (mm)	Life Cycles (DOD 80%)	Max. charge voltage (V)	Weight (g)
LFP1868117	3.2	10	19*69*130	>=2000	3.65	300
LFP2770130	3.2	15	27.5*71*140	>=2000	3.65	480
LFP2770165	3.2	20	28*71*180.5	>=2000	3.65	600
LFP36115125	3.2	30	37*116.5*140.5	>=2000	3.65	960

Model	Nominal voltage (V)	Nominal Capacity (Ah)	Dimension T*W*H (mm)	Life Cycles (DOD 80%)	Max. charge voltage (V)	Weight (g)
LFP36115155	3.2	40	37*116.5*170.5	>=2000	3.65	1200
LFP36115185	3.2	50	37*116.5*201	>=2000	3.65	1500
LFP60150190	3.2	100	61.5*151.5*208.5	>=2000	3.65	3200
LFP60150260	3.2	150	61.5*151.5*338.5	>=2000	3.65	5000
LFP71182279	3.2	180	71*182*279	>=2000	3.65	5600
LFP71182279	3.2	200	71*182*279	>=2000	3.65	6300
LFP60150320	3.2	200	61*151.5*338.5	>=2000	3.65	6500
LFP60260320	3.2	300	61*261.5*328.5	>=2000	3.65	9200

Prismatic LiFePO4 Cell Model List, 10Ah To 280Ah

Model	Nominal voltage (V)	Nominal Capacity (Ah)	Dimension T*W*H (mm)	Life Cycles (DOD 80%)	Max. charge voltage (V)	Weight (g)
LFP1868117	3.2	10	19*69*130	>=2000	3.65	300
LFP2770130	3.2	15	27.5*71*140	>=2000	3.65	480
LFP2770165	3.2	20	28*71*180.5	>=2000	3.65	600
LFP36115125	3.2	30	37*116.5*140.5	>=2000	3.65	960
LFP36115155	3.2	40	37*116.5*170.5	>=2000	3.65	1200
LFP36115185	3.2	50	37*116.5*201	>=2000	3.65	1500
LFP36130200	3.2	100	36.8*130.5*200.5	>=2000	3.65	2000
LFP71182279	3.2	180	71*182*279	>=2000	3.65	5600
LFP71182279	3.2	200	71*182*279	>=2000	3.65	6300
LFP72174205	3.2	280	72*174*205	>=2000	3.65	5500

Two prismatic lists are published because the two ranges differ in the middle of the capacity band.