

# LiBLOCK

Advanced Lithium Technology

**FAAM**  
Energy Saving Battery



## Why lithium-iron-phosphate?

Lithium-iron-phosphate (LiFePO<sub>4</sub> or LFP) is the safest of the mainstream li-ion battery types. The nominal voltage of a LFP cell is 3,2V (lead-acid: 2V/cell). A 12,8V LFP battery therefore consists of 4 cells connected in series.

## Battery Specification

MODEL	VOLTAGE	CAPACITY	ENERGY	DIMENSION L*W*H	WEIGHT	CHARGE / DISCHARGE	PEAK DISCHARGE CURRENT	TERMINAL
LBK128	12.8 V	8 Ah	102.4 Wh	151*65*100 mm	1 Kg	4 A / 8 A	24 A/3S	F2
LBK1212	12.8 V	12 Ah	153.6 Wh	151*98*100 mm	1.5 Kg	6 A / 12 A	35 A/3S	F2
LBK1220	12.8 V	20 Ah	256 Wh	181*77*166 mm	2.5 Kg	10 A / 12 A	60 A/3S	M5
LBK1232	12.8 V	32 Ah	409.6 Wh	197*135*174 mm	4 Kg	10 A / 32 A	96 A/3S	M6
LBK1240	12.8 V	40 Ah	512 Wh	198*166*170 mm	5.5 Kg	20 A / 40 A	120 A/3S	M6
LBK1250	12.8 V	50 Ah	640 Wh	198*166*170 mm	5.5 Kg	50 A / 60 A	150 A/3S	M6
LBK1260	12.8 V	60 Ah	768 Wh	260*169*215 mm	7 Kg	30 A / 60 A	150 A/3S	M6
LBK1280	12.8 V	80 Ah	1024 Wh	328*172*215 mm	11.5 Kg	40 A / 80 A	240 A/3S	M8
LBK12100	12.8 V	100 Ah	1280 Wh	328*172*215 mm	11.5 Kg	50 A / 80 A	240 A/3S	M8
LBK12120	12.8 V	120 Ah	1536 Wh	330*173*218 mm	14 Kg	60 A / 100 A	300 A/3S	M8
LBK12150	12.8 V	150 Ah	1920 Wh	448*167*238 mm	17 Kg	75 A / 150 A	350 A/3S	M8
LBK12200	12.8 V	200 Ah	2560 Wh	492*266*220 mm	23.5 Kg	100 A / 150 A	350 A/3S	M8



### Long Life

> 2000 Cycles



### Size & Weight

Save up to 70% in space & weight



### Fast Charging

Up to 50% charge in less than 1 hour



### Safety

Battery management system integrated



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# Lithium / Lead Acid Comparison Between

MODEL	VOLTAGE	CAPACITY	DIMENSION L*W*H	WEIGHT
<b>LBK128</b>	<b>12.8 V</b>	<b>8 Ah</b>	<b>151*65*100 mm</b>	<b>1 Kg</b>
FTS12-9	12 V	8.1 Ah (10h) 9 Ah (20h)	151*65*101 mm	2.65 Kg
<b>LBK1212</b>	<b>12.8 V</b>	<b>12 Ah</b>	<b>151*98*100 mm</b>	<b>1.5 Kg</b>
FTS12-12	12 V	10.6 Ah (10h) 12 Ah (20h)	151*99*101 mm	4 Kg
<b>LBK1220</b>	<b>12.8 V</b>	<b>20 Ah</b>	<b>181*77*166 mm</b>	<b>2.5 Kg</b>
FLL12-18	12 V	15 Ah (10h) 18 Ah (20h)	181*77*167 mm	5.5 Kg
<b>LBK1232</b>	<b>12.8 V</b>	<b>32 Ah</b>	<b>197*135*174 mm</b>	<b>4 Kg</b>
FHP12-33	12 V	27 Ah (10h) 33 Ah (20h)	196*132*181 mm	11.2 Kg
<b>LBK1240</b>	<b>12.8 V</b>	<b>40 Ah</b>	<b>198*166*170 mm</b>	<b>5.5 Kg</b>
FLL12-42	12 V	37 Ah (10h) 42 Ah (20h)	198*166*170 mm	14 Kg
<b>LBK1250</b>	<b>12.8 V</b>	<b>50 Ah</b>	<b>198*166*170 mm</b>	<b>5.5 Kg</b>
FHP12-55	12 V	50 Ah (10h) 55Ah (20h)	229*138*213 mm	17.5 Kg
<b>LBK1260</b>	<b>12.8 V</b>	<b>60 Ah</b>	<b>260*169*215 mm</b>	<b>7 Kg</b>
FLL12-60	12 V	50 Ah (10h) 60 Ah (20h)	259*168*218 mm	23 Kg
<b>LBK1280</b>	<b>12.8 V</b>	<b>80 Ah</b>	<b>328*172*215 mm</b>	<b>11.5 Kg</b>
FHP12-90	12 V	80 Ah (10h) 90Ah (20h)	307*169*213 mm	29,5 Kg
<b>LBK12100</b>	<b>12.8 V</b>	<b>100 Ah</b>	<b>328*172*215 mm</b>	<b>11.5 Kg</b>
FLL12-100	12 V	85 Ah (10h) 100 Ah (20h)	331*176*218 mm	30,5 Kg
<b>LBK12120</b>	<b>12.8 V</b>	<b>120 Ah</b>	<b>330*173*218 mm</b>	<b>14 Kg</b>
FLL12-120	12 V	100 Ah (10h) 120 Ah (20h)	407*176*225 mm	38 Kg
<b>LBK12150</b>	<b>12.8 V</b>	<b>150 Ah</b>	<b>448*167*238 mm</b>	<b>17 Kg</b>
FLL12-150	12 V	135 Ah (10h) 150 Ah (20h)	485*172*240 mm	45,5
<b>LBK12200</b>	<b>12.8 V</b>	<b>200 Ah</b>	<b>492*266*220 mm</b>	<b>23.5 Kg</b>
FLL12-200	12 V	180 Ah (10h) 200 Ah (20h)	522*240*224 mm	62.5 Kg