

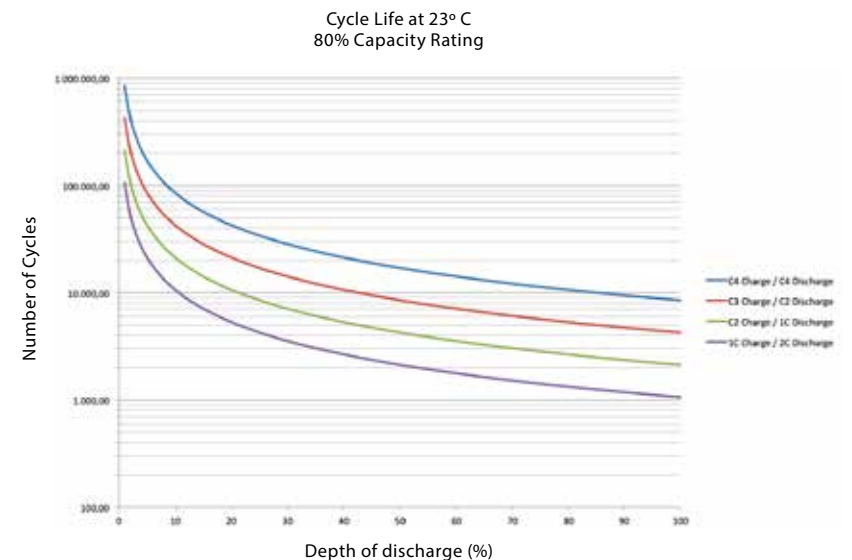
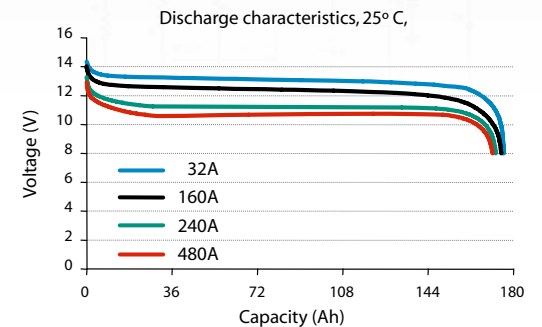
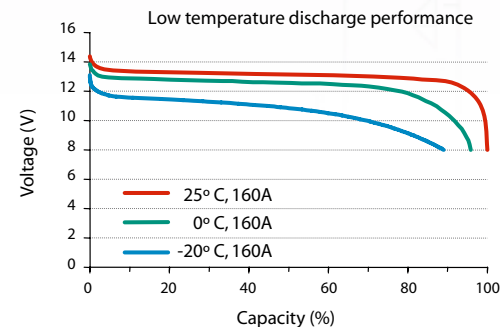
Super B Lithium Iron Phosphate energy batteries with BMS for long-term investment



Super B batteries offer significant advantages over conventional lead/acid batteries:

- Lithium Iron Phosphate (LiFePO₄)
- Safest Lithium Technology
- Superior abuse tolerance
- High capacity
- Low weight
- High cycle count
- Low maintenance
- One on one interchangeable with lead/acid batteries
- High discharge current, 3C continuous, 5C pulse
- Can be charged with regular AGM charger
- Fast charging, 1C
- CANOpen Interface for battery monitoring
- Battery monitoring / history storage
- Adaptive cell balancing
- Serial string equalization
- Serial string connection up to 1150V DC
- External BMS Relay, latching (bi-stable)
- External BMS cut-off switch, CAN controlled

Application:
Renewable Energy
Industrial Applications
Marine
Automotive



Traction Batteries	SB12V3200E-AC	SB12V6400E-BC	SB12V10E-CC	SB12V13E-DC	SB12V19E-EC	SB12V26E-FC	SB12V32E-SC	SB12V50E-XC	SB12V100E-ZC	SB12V160E-ZC
Height (mm)	83,50 / 84,50	83,50 / 84,50	97,50 / 98,50	124,00 / 124,50	180,50 / 181,50	237,50 / 238,50	140,30 / 141,30	269,5 / 270,5	313,00 / 314,00	313,00 / 314,00
Width (mm)	113,50 / 114,50	113,50 / 114,50	119,50 / 120,50	119,50 / 120,50	119,50 / 120,50	119,50 / 120,50	248,35 / 249,35	297,5 / 298,5	413.50 / 414.50	413.50 / 414.50
Thickness (mm)	34,50 / 35,50	61,50 / 62,50	81,50 / 82,50	81,50 / 82,50	81,50 / 82,50	81,50 / 82,50	95,25 / 96,25	195,5 / 196,5	225,00 / 226,00	225,00 / 226,00
Nominal voltage (V)	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V	13,2V	13,2V	13,2V
Charge method	CCCV	CCCV	CCCV	CCCV	CCCV	CCCV	CCCV	CCCV	CCCV	CCCV
End of charge voltage (V) for endurance (cycle life)	14,6V	14,6V	14,6V	14,6V	14,6V	14,6V	14,6V	14,6V	14,6V	14,6V
Charge current (A)	3,2	6,4	12,8	16	19,2	25,6	32	50A (1C)	100A (1C)	160A (1C)
Charge current (A) for endurance (cycle life)	1,6	3,2	6,4	8	9,6	12,8	16	16.5A (C/3)	33A (C/3)	52.8A (C/3)
End-of-discharge voltage (V)	8V	8V	8V	8V	8V	8V	8V	8V	8V	8V
Discharge current (A)	12	24	36	48	72	96	120	150A (3C)	300A (3C)	480A (3C)
Discharge pulse current (A) (10 seconds)	28	56	84	112	168	224	280	400A (8C)	800A (8C)	1280A (8C)
Discharge performance at 20 °C (rated capacity)	3.2Ah / 42.24Wh	6.4Ah / 84.48Wh	9.60Ah / 126.72Wh	12.8Ah / 168.96Wh	19.2Ah / 253.44Wh	25.6Ah / 337.92Wh	32Ah / 422.4Wh	50Ah / 660Wh	100Ah / 1320Wh	160Ah / 2112Wh
Discharge performance at -20 °C (capacity)	2.56Ah / 33.792Wh	5.12Ah / 67.584Wh	7.68Ah / 101.376Wh	10.24Ah / 135.168Wh	17.28Ah / 228.096Wh	23.04Ah / 304.128Wh	28.8Ah / 380.16Wh	32.5Ah / 429Wh	65Ah / 858Wh	104Ah / 1372.8Wh
Operating temperature range (Charge)	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	0°C to +45°C	0°C to +45°C	0°C to +45°C
Operating temperature range (Discharge)	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
Weight	0,450kg	0,850kg	1,3kg	1,7kg	2,5kg	3,2kg	4,2kg	11kg	20kg	28,3kg