

BATTERIES

Absorbent Glass Mat (AGM) Batteries

Robust sealed non-spillable maintenance free valve regulated recombinant batteries. Ideal for starting, stationary, deep-cycle and high current, high power applications.

- Completely maintenance free, no need to add water
- Spill and leak-proof, multi-position usage
- Low self-discharge, long storage life
- Increased durability and deep cycle ability
- Valve regulated to 2.5psi max
- Non-hazardous
- Thermal stability, vibration and shock-resistant
- Threaded insert or faston terminals as standard
- Flag, automotive, J type, J type adapter terminals to order
- Lower cost when compared to Gelled Electrolyte batteries
- Superior performance for shorter duration/higher current discharges
- Total height does not allow for terminal bolt when screwed into battery terminals (Relevant for screw terminal batteries)

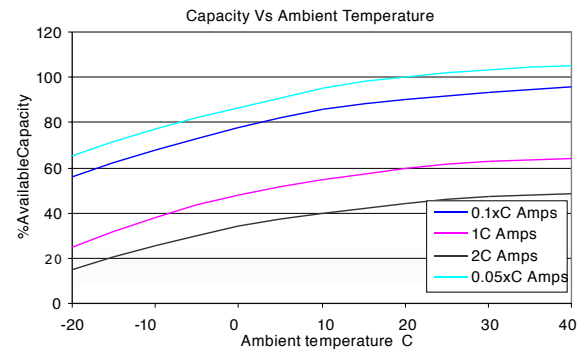
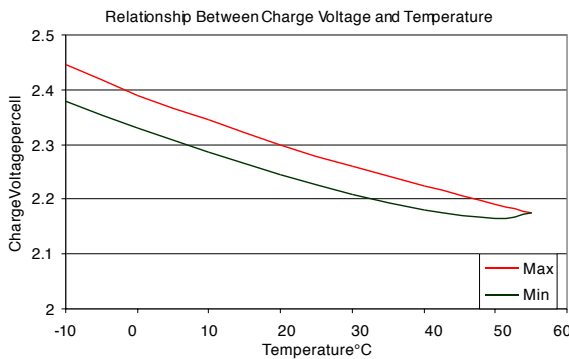
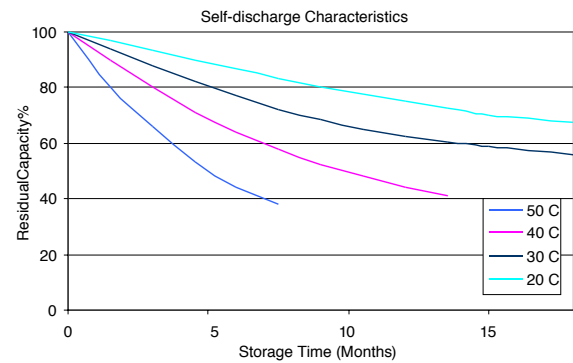
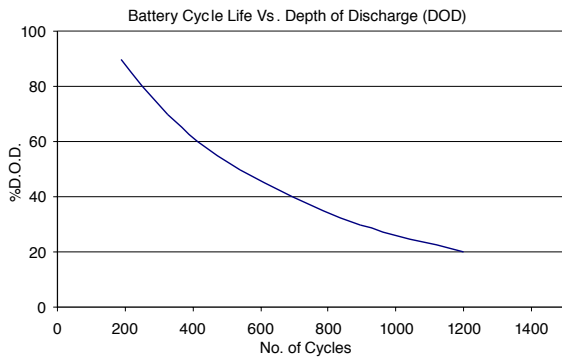
SPECIFICATION

Nominal Voltage	BEL060013-BEL060120	6V
	BEL120180-BEL122300	12V
Battery life	BEL060013-BEL060120	5 Years
	BEL120180-BEL122300	12 Years
Operating temperature	BEL060013-BEL060120	-20°C to 50°C
	BEL120180-BEL122300	-10°C to 45°C
Grid alloy	Calcium/Tin lead alloy	
Plates	Flat pasted	
Separator	Absorbent Glass Mat	
Active material	High purity lead	
Case and cover	ABS (V0 on request)	
Charge Voltage	Float 2.27-2.30 VPC @ 20°C	
	Cycling 2.4 VPC @ 20°C	
	Max 2.4 VPC	
	Max ripple 5%	
Electrolyte	Sulphuric acid	
Venting valve	EPDM Rubber	
	release pressure at 1.5 to 2 psi resealing at 1psi	
Terminals	Epoxy sealed	
Torque settings	5-7Nm	



Typical Applications:

- Cycling/Float Service
- Telecommunications
- Solar and wind
- Emergency lighting
- Computer backup
- Marine equipment
- Power tools
- Vending machines
- Power supplies
- Remote telemetry
- Access control
- Medical equipment
- Control equipment
- Cathodic protection
- Navigation aids
- Cellular Radio Stations
- Security systems



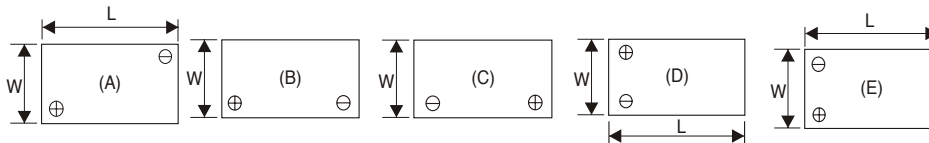
BATTERIES

	NOMINAL VOLTAGE	NOMINAL CAPACITY	LENGTH	WIDTH	HEIGHT	WEIGHT	TERMINAL DETAILS	INTERNAL RESISTANCE	CHARGE CURRENT MAX	CCA AT 0°C	SHORT CIRCUIT	QTY PER BOX
BEL060072	6V	7Ah	151mm	34mm	94mm	1.2kg	B - T1	14Ω	1.8A	N/A	350A	10
BEL060100	6V	10Ah	151mm	50mm	94mm	1.67kg	B - T1	10Ω	4A	N/A	500A	10
BEL060120	6V	12Ah	151mm	50mm	94mm	1.85kg	B - T1	10Ω	4.8A	N/A	600A	10
BEL120013	12V	1.2Ah	97mm	43mm	52mm	0.55kg	E - T1	95Ω	0.48A	N/A	60A	15
BEL120022	12V	2.3Ah	178mm	35mm	61mm	0.85kg	B - T1	55Ω	0.92A	N/A	80A	20
BEL120033	12V	3.2Ah	134mm	67mm	61mm	1.3kg	E - T1	68Ω	1.28A	N/A	160A	10
BEL120050	12V	5Ah	90mm	70mm	101mm	1.8kg	B - T1	34Ω	2A	N/A	250A	10
BEL120060	12V	6.5Ah	151mm	65mm	94mm	1.9kg	D - T2	25Ω	2.5A	N/A	315A	4
BEL120072	12V	7Ah	151mm	65mm	93.5mm	2.2kg	D - T1	18Ω	1.7A	N/A	380A	8
BEL120100	12V	10Ah	151mm	98mm	95mm	3.25kg	Faston	30Ω	4A	N/A	500A	4
BEL120120	12V	12Ah	151mm	98mm	95mm	3.67kg	D - T2	17Ω	4.8A	N/A	600A	4
BEL120170	12V	17Ah	181mm	77mm	167mm	5.5kg	M5	16Ω	5.1A	N/A	850A	2
BEL120180	12V	17Ah	181mm	77mm	167mm	5.3kg	C - M5	16.5Ω	6.8A	144A	850A	2
BEL120260A	12V	26Ah	165mm	170mm	125mm	7.6Kg	C - M5	6.5Ω	6.5A	228A	900A	1
BEL120280	12V	28Ah	165mm	125mm	175mm	9.3Kg	M6	11Ω	11.2A	N/A	1400A	1
BEL120330A	12V	33Ah	195mm	130mm	155mm	11kg	B-M6	10Ω	9.9A	258A	850A	1
BEL120400	12V	40Ah	197.5mm	165.5mm	170mm	14.7kg	M6	9.5Ω	12A	N/A	900A	1
BEL120450	12V	47.4Ah	197.5mm	165.5mm	170mm	14.6kg	C-M6	7.5Ω	13.5A	345A	1050A	1
BEL120550	12V	55Ah	229mm	138mm	208mm	18.5kg	B - M5	5.8Ω	16.5A	466A	1400A	1
BEL120650	12V	65Ah	350mm	167mm	179mm	20.4kg	M6	5.5Ω	26A	N/A	1700A	1
BEL120750	12V	75Ah	258mm	166mm	206mm	23.5Kg	M - M6	5.7Ω	22.5A	557A	1800A	1
BEL120900	12V	90Ah	306mm	169mm	210mm	30kg	B - M6	5.2Ω	27A	680A	2000A	1
BEL121100	12V	100Ah	330mm	171mm	214mm	32kg	B - M8	4Ω	27A	804A	3000A	1
BEL121200	12V	120Ah	410mm	176mm	224mm	36.5kg	B - M8	3Ω	30A	877A	3300A	1
BEL121350	12V	134Ah	341mm	173mm	283mm	40kg	B - M8	2.73Ω	35A	965A	3750A	1
BEL121500	12V	150Ah	482mm	170mm	240mm	44.8kg	B - M8	2.5Ω	38A	1014A	4200A	1
BEL121600	12V	175Ah	530mm	209mm	215mm	55.5kg	E - M8	2Ω	40A	1021A	4700A	1
BEL122300	12V	230Ah	520mm	269mm		72.6kg	E - M8	<2Ω	57A	1057A	5900A	1

T1 = Faston Tab No.187 (4.8m)

T2 = Faston Tab No.250 (6.3mm)

NB: Total height does not allow for terminal bolt when screwed into battery terminals (Relevant for screw terminal batteries)



Note:

These batteries should not be discharged lower than 10.5 volts (12 volt battery) and 5.2 volts (6 volt battery).

If batteries are discharged lower than these voltages permanent damage may be caused.

Batteries not in use should be regularly re charged to ensure they stay above the minimum discharged voltage.

- PCB TERMINAL BLOCKS
- INTER-CONNECTION
- FUSES & FUSE-HOLDERS
- LEDs & INDICATORS
- MINIATURE SWITCHES
- LIMIT & SAFETY SWITCHES
- CONTROL PRODUCTS
- INTERFACE MODULES & SUPPORTS
- RELAY BASES
- DIN RAIL ENCLOSURES
- BATTERIES**
- SOLAR PANELS
- TRANSFORMERS