

BATTERIES

Electric Vehicle Batteries

High performance sealed non-spillable maintenance free valve regulated recombinant batteries. Deep cycles batteries designed to deliver maximum capacity within five cycles, ideal for use in electric vehicles

- Absorbent glass mat construction
- Completely maintenance free, no need to add water
- Spill and leak-proof, multi-position usage
- High deep-discharge capability
- Exceptional durability and deep cycle ability
- Ideal for repeat cycling
- Excellent for long discharges
- Low self-discharge, long storage life
- Vibration and shock-resistant
- Threaded insert or faston terminals as standard
- Flag, automotive, J type, J type adaptor terminals to order
- Total height does not allow for terminal bolt when screwed into battery terminals (Relevant for screw terminal batteries)

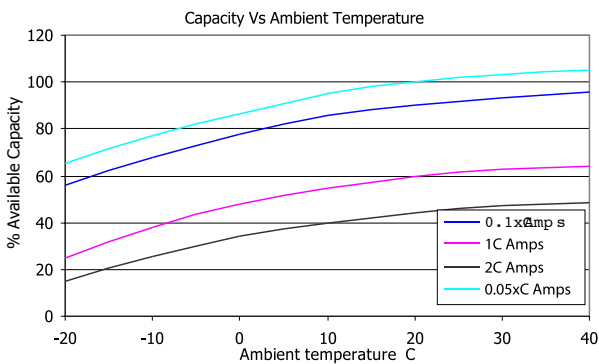
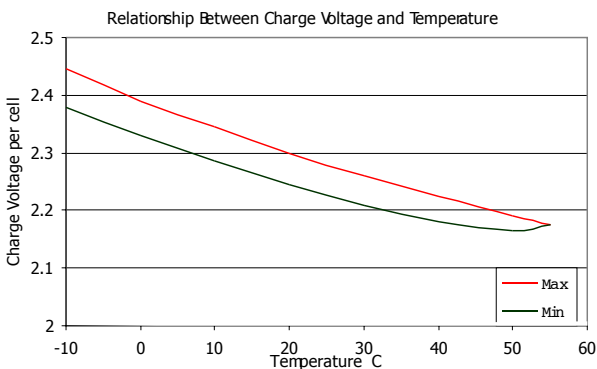
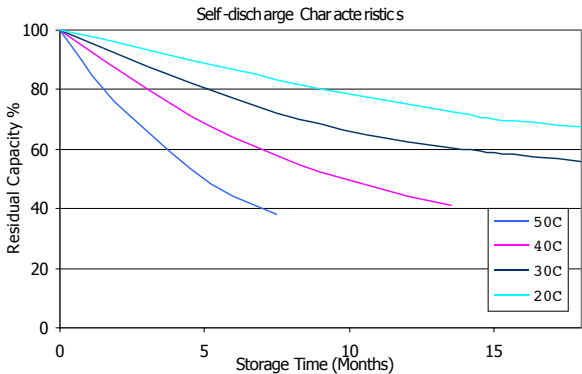
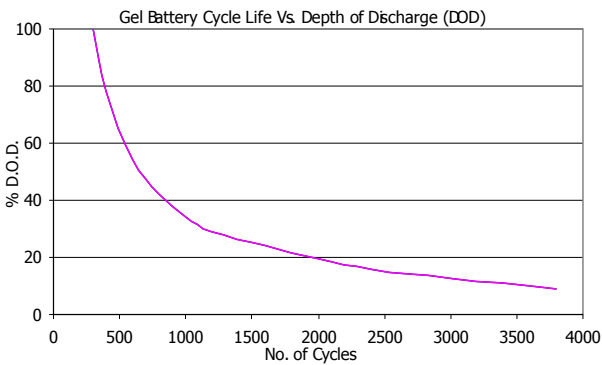


SPECIFICATION

Nominal Voltage	BEV061100-BEV062000	6V
	BEV120075-BEV123000	12V
Operating temperature	-10°C to 45°C	
Grid alloy	Calcium/Tin alloy	
Plates	Flat pasted	
Separator	Absorbent Glass Mat	
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	
Electrolyte	Sulphuric acid	
Venting valve	EPDM Rubber	
	release pressure at 1.5 to 2 psi	
	resealing at 1 psi	
Terminals	Epoxy sealed	
Torque settings	5-7Nm	

Typical Applications:

- Electric Motorcycles
- Forklifts
- Golf carts
- Power tools
- Trolley motors
- Floor sweepers
- Mobility Scooters
- Wheelchairs
- Uninterruptible power supply



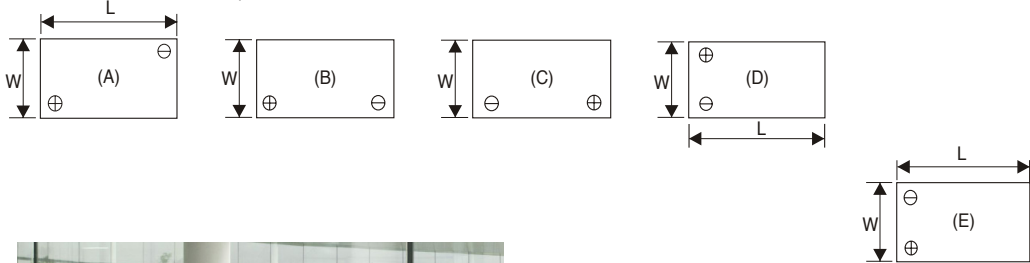
BATTERIES

	NOMINAL VOLTAGE	NOMINAL CAPACITY	LENGTH	WIDTH	HEIGHT	WEIGHT	TERMINAL DETAILS	CHARGE CURRENT MAX	CCA AT 0°C	SHORT CIRCUIT	QTY PER BOX
BEV061600	6V	180Ah	306mm	168mm	220mm	26.6kg	M8	50A	1014A	5000A	1
BEV120075	12V	9Ah	151mm	65mm	94mm	2.8kg	D-F1	1.5A	-	275A	8
BEV120120	12V	12Ah	151mm	98mm	95mm	4.4kg	D-T2	4.8A	-	600A	4
BEV120180	12V	17Ah	181mm	77mm	167mm	5.9kg	M5	6.8A	144A	950A	2
BEV120260	12V	24Ah	166mm	175mm	125mm	9.2kg	M5	9.6A	228A	1300A	1
BEV120330A	12V	33Ah	195mm	130mm	155mm	11kg	M6	9.9A	-	850A	1
BEV120450	12V	40Ah	197.5mm	165.5mm	170mm	14.7kg	M6	12A	345A	900A	1
BEV120550	12V	55Ah	228mm	138mm	208mm	18.5kg	M6	14A	466A	1700A	1
BEV120650	12V	77Ah	272mm	165mm	188mm	21.7kg	M8	20A	602A	2400A	1
BEV120700	12V	75.6Ah	350mm	167mm	179mm	22.5kg	M6	24A	557A	1900A	1
BEV120800	12V	82Ah	260mm	168mm	211mm	25.5kg	M8	22A	664A	2650A	1
BEV121000	12V	90Ah	306mm	169mm	210mm	29kg	M8	25A	751A	2900A	1
BEV121100	12V	100Ah	330mm	171mm	214mm	32kg	M8	27A	804A	3000A	1
BEV121200	12V	120Ah	410mm	176mm	224mm	36.5kg	M8	30A	951A	4200A	1
BEV121500	12V	150Ah	482mm	170mm	240mm	47kg	M8	40A	965A	4700A	1
BEV121600	12V	164Ah	530mm	209mm	214mm	54.2kg	M8	50A	985A	5400A	1

T1 = Faston Tab No.187 (4.8mm)

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
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DIN RAIL
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BATTERIES

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TRANS-
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