

Range: **POWERBLOCK**

Type name: **DB12-92**



PERFORMANCES*		CONFIGURATION	
Voltage:	12 V	Size:	306x168x208 mm (G27)
Capacity:	100 Ah (20h)	Polarity:	1
Cap. 5/10/100h:	83/95/110 Ah	Terminal:	M (M6 thread)
Energy at 100h:	1,32 kWh	Holddown:	-
Cycles at 50%:	1000	Ventilation:	Valve regulated (VRLA)
Max. current:	1200 A (5seg)	Maintenance:	Not required (MF)
Int. Resistance:	5 mΩ		
Self-Discharge:	15 months		
(from the date of production, at 25°C)			

*According to standards IEC 60254/60896

INTERNAL CONSTRUCTION		COMPONENTS	
Technology:	Manufacturer-sealed AGM	Container:	ABS/light grey
Alloy:	Calcium	Lid:	ABS/dark grey
Separator:	AGM (glass mat)	Plugs:	Termal sealing, ABS/dark grey
Total Weight:	31 kg	Handles:	On lid, PP/dark grey
Origin:	Nederland		

RECOMMENDATIONS	
Storage:	Check voltage every 8 months.
Recharge:	Use automatic chargers with constant voltage and AGM setup.
Installation:	Use the appropriate cable section and length. Keep connections tight.

TABLES & CHARTS

POWERBLOCK

DB12-92

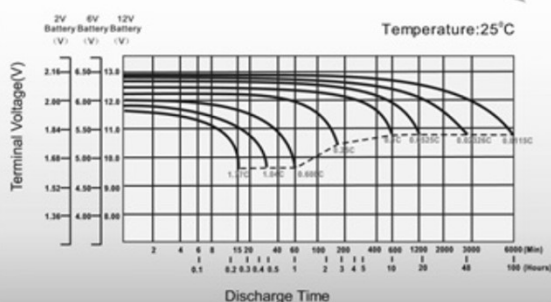
DB12-92 Constant Current Discharge (Amperes) at 25 °C

F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.85V/cell	108.3	90.0	69.9	55.4	44.8	29.2	22.0	18.0	15.3	10.7	9.12	4.85	2.18	1.07
1.80V/cell	120.1	99.0	75.4	58.8	47.2	31.0	23.2	18.9	16.0	11.2	9.52	5.00	2.22	1.10
1.75V/cell	133.2	108.4	81.1	62.9	50.9	32.5	24.5	19.8	16.6	11.5	9.73	5.10	2.25	1.11
1.70V/cell	145.6	118.4	89.1	65.7	53.8	34.3	25.7	20.6	17.3	11.9	10.0	5.20	2.28	1.12
1.65V/cell	154.1	125.0	93.9	69.7	55.7	35.5	26.7	21.3	17.9	12.3	10.3	5.33	2.32	1.14
1.60V/cell	168.9	135.7	99.8	72.3	57.9	37.0	27.6	22.0	18.5	12.6	10.5	5.45	2.36	1.15

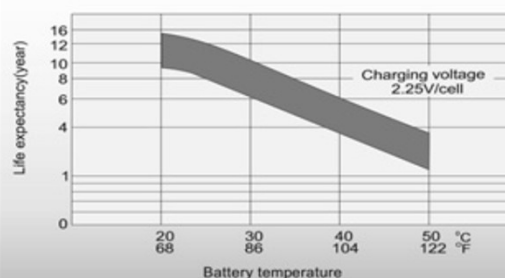
DB12-92 Constant Power Discharge (Watts/cell) at 25 °C

F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.85V/cell	203.2	170.6	133.9	107.0	87.1	57.0	43.1	35.4	30.1	21.1	18.1	9.65	4.36	2.15
1.80V/cell	222.3	184.9	142.3	112.2	91.1	60.2	45.2	37.0	31.4	22.1	18.9	9.94	4.42	2.19
1.75V/cell	243.6	200.6	151.8	119.4	97.8	62.8	47.6	38.5	32.5	22.7	19.3	10.1	4.48	2.20
1.70V/cell	262.4	217.4	165.9	124.2	103.0	66.1	49.8	40.0	33.7	23.5	19.9	10.3	4.53	2.23
1.65V/cell	276.8	228.6	174.0	131.3	106.2	68.1	51.5	41.3	34.9	24.1	20.3	10.6	4.61	2.26
1.60V/cell	297.3	244.6	183.0	134.8	109.4	70.4	52.9	42.4	35.9	24.7	20.7	10.8	4.68	2.28

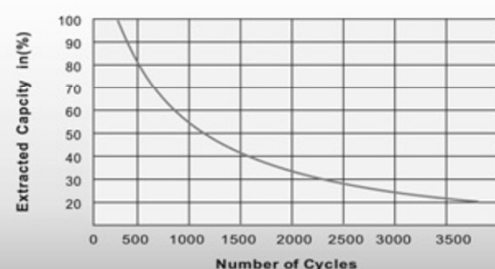
Discharge Characteristics



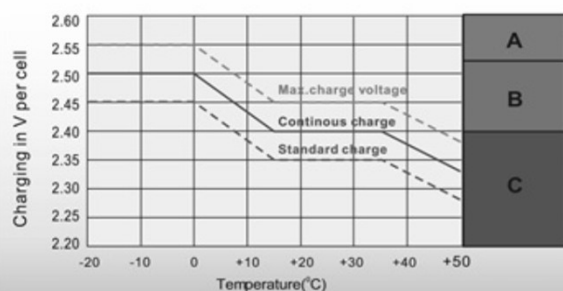
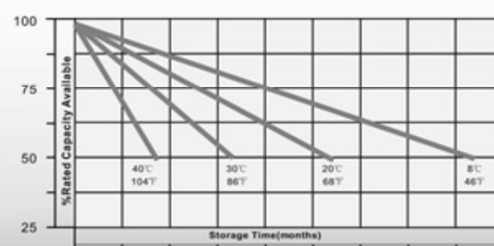
Effect of Temperature on Long Term Float Life



Cycle Service Life



Self-Discharge at Different Temperatures



Charge Mode

- A** With switch regulator (two-step controller) charge on curve max. charge voltage for max. 2 hrs/day then switch over to continuous charge
- B** Standard charge without switching
- C** Boost charge (Equalizing charge with external generator) charge on curve continuous charge for max. 5 hrs/month, then switch over to curve Standard charge