

Range: **POWERBLOCK**

Type name: **DB12-80**



PERFORMANCES*		CONFIGURATION	
Voltage:	12 V	Size:	348x167x178 mm
Capacity:	72 Ah (20h)	Polarity:	1
Cap. 5/10/100h:	57/65/75 Ah	Terminal:	M (M6 thread)
Energy at 100h:	0,9 kWh	Holddown:	-
Cycles at 50%:	1000	Ventilation:	Valve regulated (VRLA)
Max. current:	780 A (5seg)	Maintenance:	Not required (MF)
Int. Resistance:	7 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:	21 kg	Handles:	On container 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

DB12-80

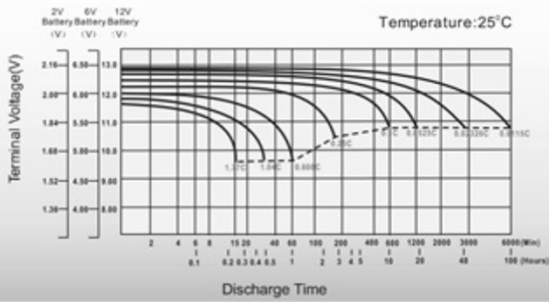
DB12-80 Constant Current Discharge (Amperes) at 25 °C

F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.85V/cell	73.9	61.4	47.7	37.8	30.6	19.9	15.0	12.3	10.4	7.27	6.23	3.31	1.49	0.732
1.80V/cell	82.0	67.6	51.5	40.1	32.2	21.2	15.9	12.9	10.9	7.63	6.50	3.41	1.51	0.748
1.75V/cell	90.9	74.0	55.4	42.9	34.8	22.2	16.7	13.5	11.3	7.86	6.64	3.48	1.54	0.775
1.70V/cell	99.3	80.8	60.8	44.8	36.7	23.4	17.6	14.1	11.8	8.15	6.85	3.55	1.56	0.764
1.65V/cell	105.2	85.3	64.1	47.6	38.0	24.2	18.2	14.5	12.2	8.36	7.00	3.64	1.58	0.776
1.60V/cell	115.3	92.6	68.1	49.3	39.5	25.2	18.8	15.0	12.6	8.59	7.16	3.72	1.61	0.783

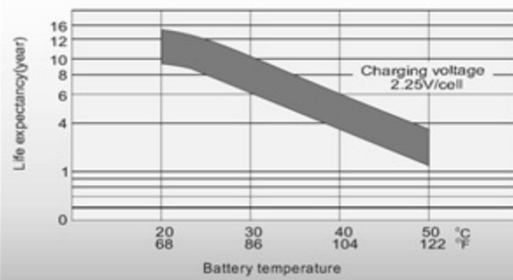
DB12-80 Constant Power Discharge (Watts/cell) at 25 °C

F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h	48h	100h
1.85V/cell	138.7	116.4	91.4	73.0	59.5	59.5	29.4	24.2	20.5	14.4	12.4	6.59	2.98	1.47
1.80V/cell	151.7	126.2	97.1	76.6	62.2	62.2	30.9	25.2	21.4	15.1	12.9	6.78	3.02	1.49
1.75V/cell	166.2	136.9	103.6	81.5	66.7	66.7	32.5	26.3	22.2	15.5	13.2	6.92	3.06	1.50
1.70V/cell	179.1	148.4	113.2	84.8	70.3	70.3	34.0	27.3	23.0	16.1	13.6	7.05	3.09	1.52
1.65V/cell	188.9	156.0	118.8	89.6	72.4	72.4	35.2	28.2	23.8	16.5	13.9	7.21	3.14	1.54
1.60V/cell	202.9	166.9	124.9	92.0	74.6	74.6	36.1	29.0	24.5	16.9	14.1	7.37	3.19	1.55

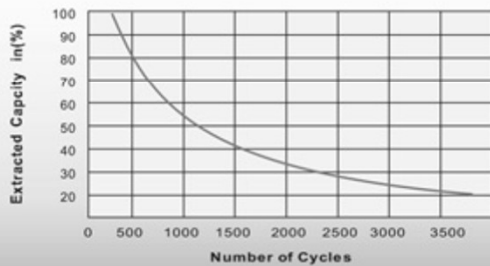
Discharge Characteristics



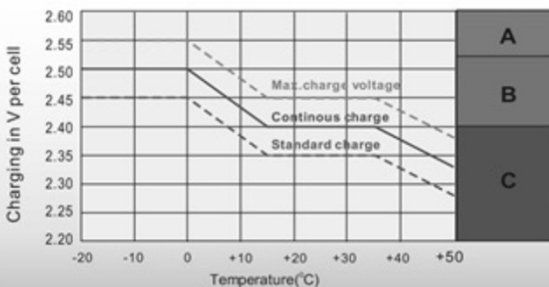
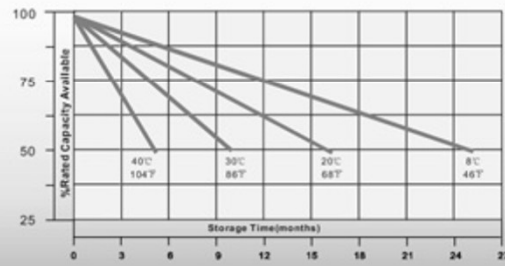
Effect of Temperature on Long Term Float Life



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