

DB Series

DB (Duration) Series batteries utilizes thick grids of modern technology are adopted so as to guarantee the design life up to 12 years. Advanced micro porous absorbed glass matt separator - minimizes diffusion of oxygen into the separator, reducing float charge current which suppressed the corrosion rate of the positive grid and extends the life of the battery.

Application

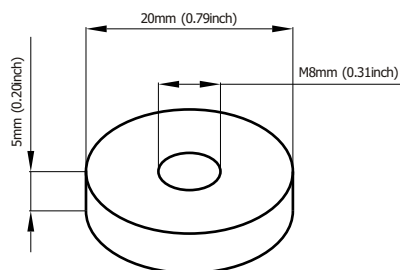
Cable Television	Control Equipment
Communication Equipment	Medical Equipment
Security System	Emergency Power System
UPS	Power Plant

General Features

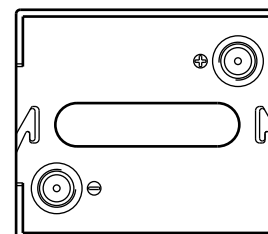
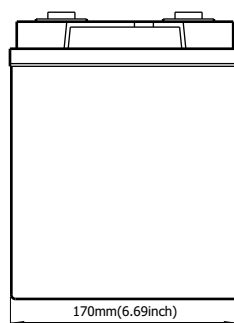
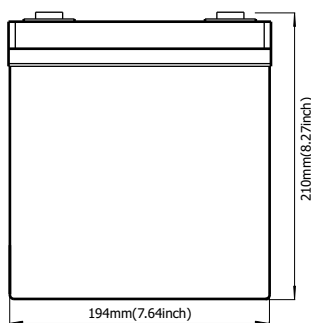
Sealed and maintenance free operation.
 Non-Spillable construction design.
 ABS containers and covers(UL94HB, UL94V-0) optional.
 Safety valve installation for explosion proof.
 High quality and high reliability.
 Exceptional deep discharge recovery performance.
 Low self discharge characteristic.
 Flexibility design for multiple install positions.

Construction

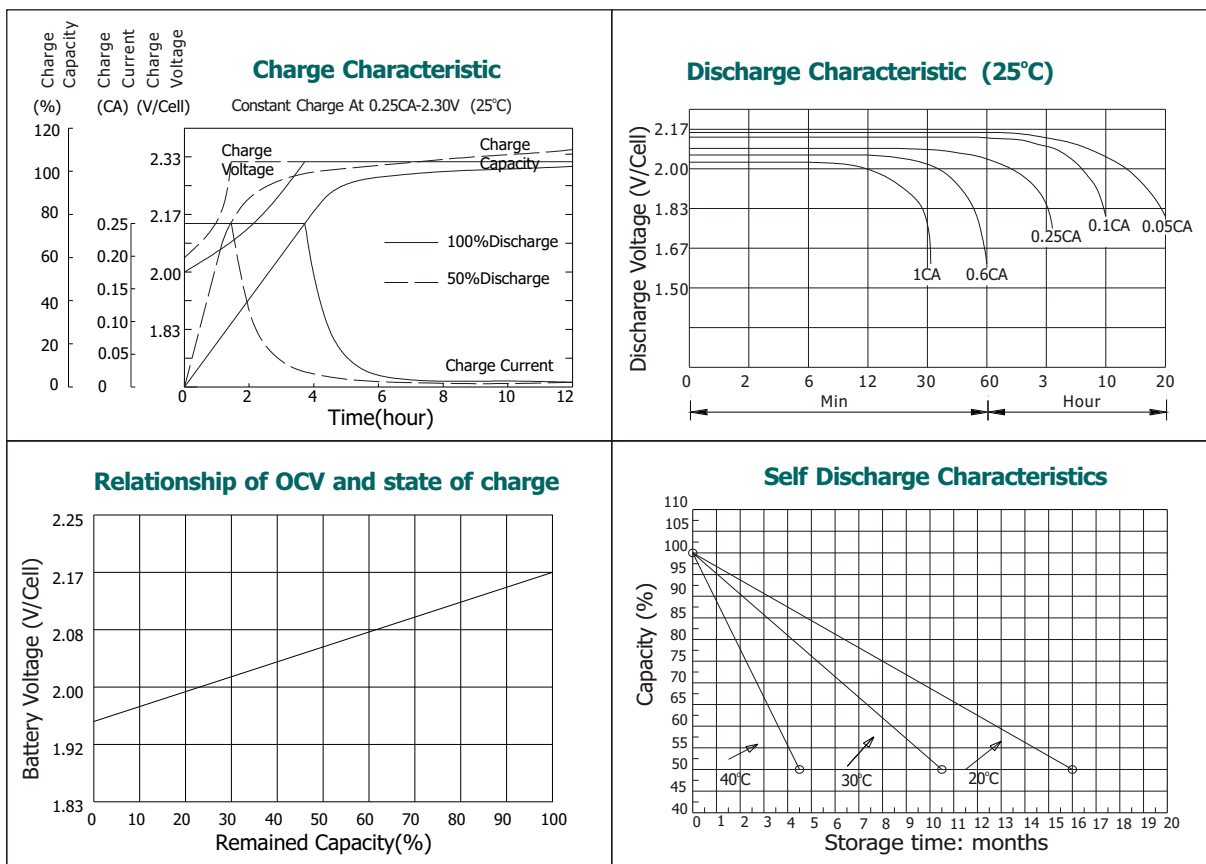
Component	Raw material	Sealant	Epoxy Resin
Positive	Lead dioxide	Safety valve	EPDR
Negative	Lead	Terminal	Pb Alloy
Container	ABS	Separator	Fiber glass
Cover	ABS	Electrolyte	Sulfuric acid



Terminal Dimensions



Battery Model	DB6-100			
Designed Floating Life	12Years			
Capacity(25°C)	20HR(5.4A,1.75V)	10HR(10A,1.75V)	5HR(17.9A,1.75V)	1HR(64.8A,1.75V)
	108AH	100AH	89.5AH	64.8AH
Dimensions	Length	Width	Height	Total Height
	194mm(7.64inch)	170mm(6.69inch)	207mm(8.15inch)	210mm(8.27inch)
Approx. Weight	16Kg (35.3 lbs)			
Internal Resistance	Full charged at 25°C: 0.003 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	7.2-7.5V(-15mV/ °C), max. Current: 25A		6.8-6.9V(-10mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	437	272	205	125	74.6	32.8	20.0	10.9	5.89
1.67V	410	258	197	120	73.6	31.5	19.6	10.8	5.69
1.70V	376	249	193	109	71.4	29.4	19.2	10.8	5.60
1.75V	369	241	187	103	68.0	28.4	18.8	10.7	5.45
1.80V	330	230	169	95.8	63.7	27.3	17.6	10.5	5.30
1.85V	291	219	152	88.1	59.4	26.3	16.5	10.4	5.16

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	767	491	375	225	135	58.1	33.8	22.4	11.8
1.67V	740	479	370	221	134	56.3	33.7	22.3	11.3
1.70V	697	474	367	207	131	53.8	33.3	22.1	11.2
1.75V	701	473	364	201	129	52.5	33.0	21.8	10.9
1.80V	642	466	337	191	122	51.0	31.9	21.6	10.6
1.85V	582	442	306	179	114	49.4	30.9	21.3	10.2

