

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

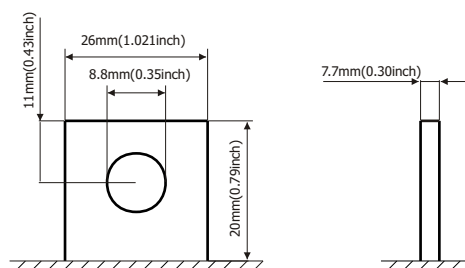


General Features

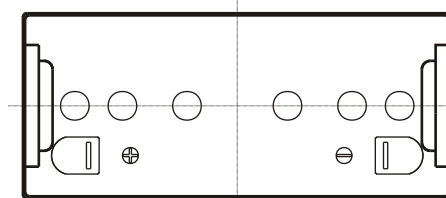
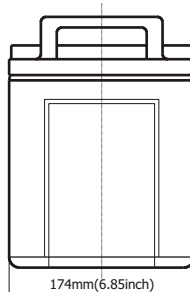
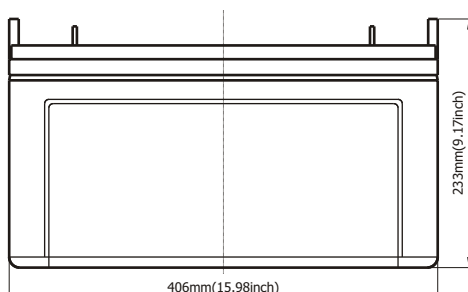
Sealed and maintenance free operation.
 Non-Spillable construction design.
 ABS containers and covers(UL94HB, UL94V-0) optional.
 Safety valve installation for explosion proof.
 High quality and high reliability.
 Exceptional deep discharge recovery performance.
 Low self discharge characteristic.
 Flexibility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

Construction

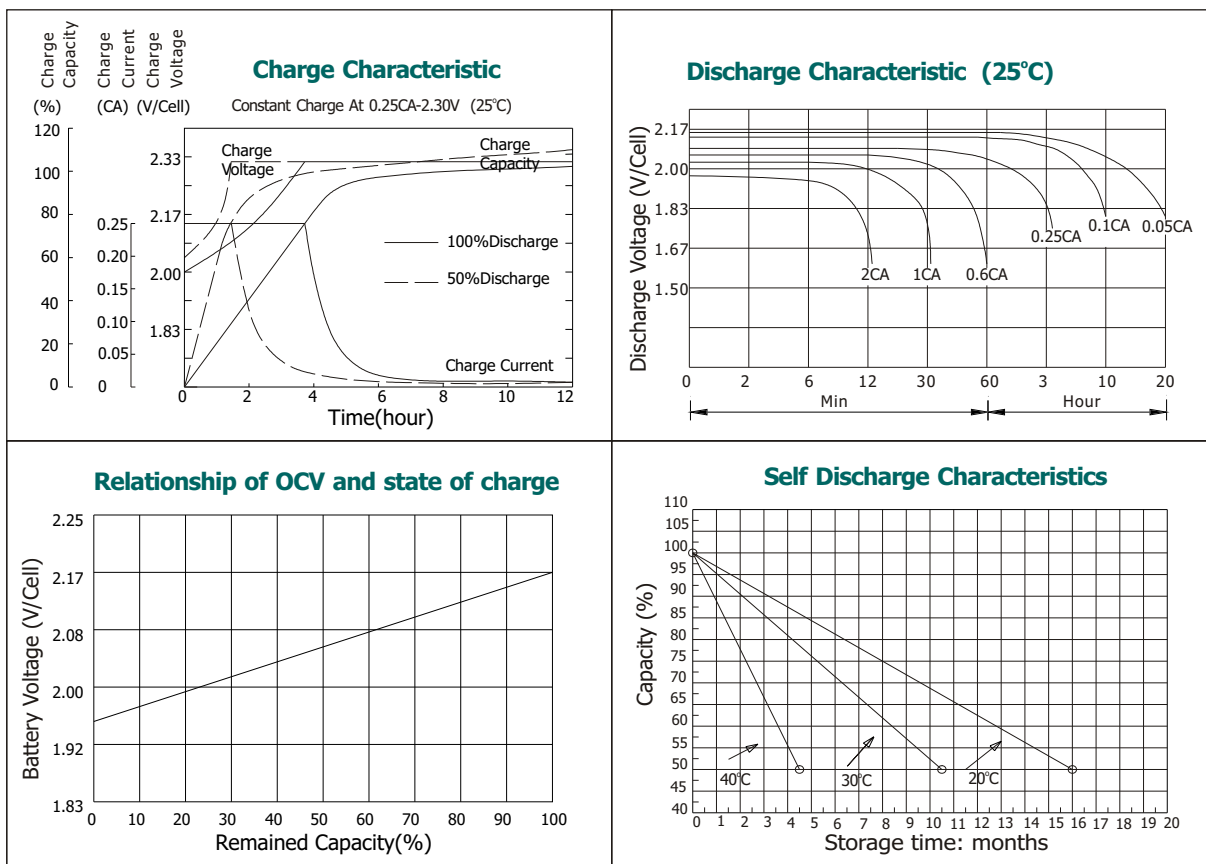
Component	Raw material	Sealant	Epoxy Resin
Positive	Lead dioxide	Safety valve	EPDR
Negative	Lead	Terminal	Pb Alloy
Container	ABS	Separator	Fiber glass
Cover	ABS	Electrolyte	Sulfuric acid



Terminal Dimensions



Battery Model	DB12-120			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(6.1A,1.75V)	10HR(12A,1.75V)	5HR(20.4A,1.75V)	1HR(72A,1.75V)
	122AH	120AH	102AH	72AH
Dimensions	Length	Width	Height	Total Height
	406mm(15.98inch)	174mm(6.85inch)	208mm(8.19inch)	233mm(9.17inch)
Approx. Weight	37.0Kg (81.59 lbs)			
Internal Resistance	Full charged at 25°C: 0.0045 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	
	14.4-15V(-30mV/ °C), max. Current: 30A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	420	288	210	126	79.2	32.8	22.9	12.7	6.32
1.67V	378	263	204	122	79.1	32.6	22.7	12.5	6.30
1.70V	359	253	197	120	78.8	32.6	22.7	12.4	6.30
1.75V	319	234	186	118	78.0	32.4	22.5	12.2	6.27
1.80V	288	217	178	114	77.0	32.3	22.3	12.0	6.05
1.85V	218	179	154	105	76.2	32.2	22.2	11.8	5.69

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	692	478	372	238	156	62.9	43.8	25.5	12.6
1.67V	656	472	368	233	151	62.9	43.8	25.1	12.6
1.70V	613	460	362	227	147	62.9	43.8	24.9	12.6
1.75V	571	430	341	221	146	61.9	43.3	24.4	12.5
1.80V	512	400	320	215	143	61.1	42.6	24.0	12.1
1.85V	410	331	280	197	142	60.8	42.0	23.6	11.4

