Stationary

FRONT ACCESS - AGM

Our Front Terminal batteries are specially designed for telecom applications, floating charge design life can reach 12 years.

It adopts a special paste formula to improve battery charge acceptance. By stable performance and good consistency, it is a type of reserve power battery suitable for the application of outdoor telecommunication and other backup power supply.

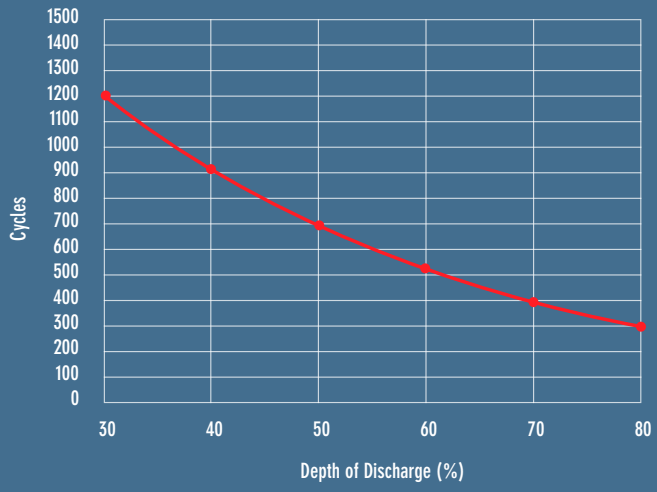
The design of a long & narrow structure and front terminal make it easy to be installed and maintained.

VRLA:	Valve Regulated Lead-Acid
SLA:	Sealed Lead-Acid
AGM:	Absorbed Glass Matt

BENEFITS

- 12 year Design Life (floating charge)
- Operating temperature -15°C ~ 55°C
- Improved charge acceptance
- Low-self discharge rate (≤ 3%)
- Good recovery ability after deep discharge
- High corrosion resistant performance
- Valve Regulated design, no free liquid electrolyte, Maintenance-free
- Special lead plaster and gel electrolytes for improving battery charging performance

SERVICE LIFE: 300 CYCLES DOD 80%



Cycle life in relation to Depth of discharge

APPLICATIONS

Telecom · Solar · Wind energy · UPS · Datacenter

TECHNICAL INFORMATION

For more details about layouts & terminals, flip to page 75 for more information.

The front terminal AGM battery, designed for telecommunication applications with a floating life of up to 12 years, uses thickened 3D curved plates with special paste formula and latest AGM technology.

It offers stable performance and good consistency and is suitable for outdoor telecommunication and other backup power applications.

Reference	Voltage (V)	Capacity (Ah/ C10)	Capacity (Ah/C3)	Capacity (Ah/C1)	Dimensions (mm)			Weight (kg)	Terminals
					X	Y	H		
AGM - 12Y DESIGN LIFE									
DAB12-100FA	12	100	80,7	65,5	395	110	286	31,0	M8
DAB12-150FA	12	150	121,0	98,2	551	110	287	45,0	M8
DAB12-180FA	12	180	145,0	118,0	560	125	317	53,5	M8
DAB12-200FA	12	200	161,0	131,0	560	125	317	58,7	M8

GENERAL FEATURES

- Narrow structure and front terminal design, suitable for 19- inch and 23-inch standard cabinets
- High corrosion resistant performance: Pb-Ca multi-alloy grid
- Excellent charge acceptance ability
- Excellent deep cycle discharge capability
- Strong high and low temperature performance
- Precision sealing technology
- Long life

Stationary

DAB - AGM STATIONARY BATTERIES

DAB series battery is specially designed for UPS systems, emergency power, and security system applications.

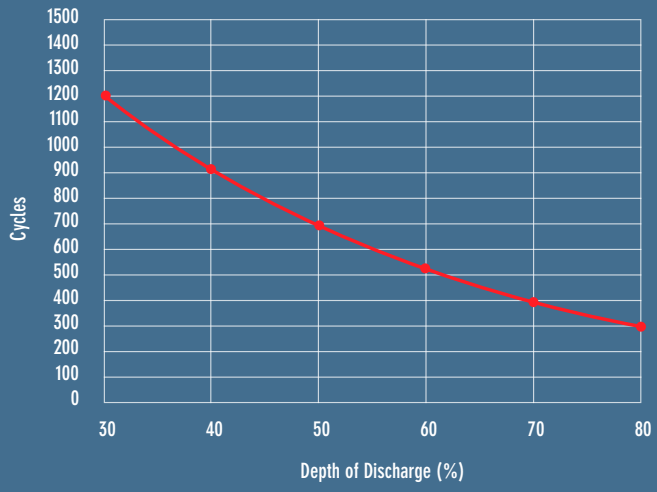
Using a thick plate and high corrosion resistance grid alloy, matching with a high-impact AGM separator, the battery maintains high consistency for better performance and reliable standby service life.

VRLA:	Valve Regulated Lead-Acid
SLA:	Sealed Lead-Acid
AGM:	Absorbed Glass Matt

BENEFITS

- Valve Regulated design, no free liquid electrolyte, Maintenance - free
- Designed floating service life: 10 years @ 25˚C
- Stable performance and small internal resistance, good high performance for recycling use
- Thickened Sn alloy plate and the grid with corrosion resistance
- Wide operating temperature range: -15-35˚C
- Self-discharge rate: ≤ 3% / month

SERVICE LIFE: 300 CYCLES DOD 80%



Cycle life in relation to Depth of discharge

APPLICATIONS

Wind energy · Solar · UPS · Telecom · Emergency lighting · Power generation & utilities

TECHNICAL INFORMATION

For more details about layouts & terminals, flip to page 75 for more information.

GENERAL FEATURES

- High corrosion resistant performance: Pb-Ca multi-alloy grid
- High energy density and power density
- Optimized Capability of instant High-current Discharging
- Excellent charge acceptance ability
- Excellent deep cycle discharge capability
- Strong high and low temperature performance
- Precision sealing technology
- Long life

Reference	Voltage (V)	Capacity (Ah/ C10)	Capacity (Ah/ C3)	Dimensions (mm)			Weight (kg)	Layout	Terminals
				X	Y	H			
6V									
DAB6-110	6	96,2	76,50	194	170	212	16,5	1	M8
DAB6-160	6	158,0	134,00	298	171	229	26,4	1	M8
DAB6-180	6	197,0	170,10	260	180	250	29,5	0	M8
DAB6-200	6	232,0	200,10	322	178	231	34,0	1	M8
DAB6-225	6	227,0	182,40	243	188	275	32,0	0	M8
DAB6-270	6	255,0	220,20	260	180	273	35,0	0	M8
8V									
DAB8-160	8	147,0	121,00	260	182	298	36,8	1	M8
12V									
DAB12-7.5	12	9,0	7,71	151	65	103	2,6	3	T1
DAB12-14	12	15,4	13,30	151	99	100	4,4	3	T2
DAB12-16-M5	12	15,4	13,30	151	99	98,5	4,1	3	M5
DAB12-26	12	24,4	20,20	166	175	125	7,7	0	M5
DAB12-28	12	26,3	21,80	165	125	175	8,0	0	M5
DAB12-32	12	37,2	32,10	267	77	170	9,2	0	M5
DAB12-33	12	32,0	25,70	196	131	160	10,0	1	M6
DAB12-44	12	42,1	34,30	198	167	158	13,0	0	M6
DAB12-55	12	55,6	44,70	229	138	207	17,5	1	M6
DAB12-70J	12	65,7	52,80	350	166	175	21,0	0	M6
DAB12-80	12	92,9	80,10	260	168	210	26,0	1	M6
DAB12-100	12	90,9	72,90	307	168	211	30,7	1	M8
DAB12-110	12	122,0	105,00	330	172	214	33,5	1	M8
DAB12-120	12	117,0	95,60	409	177	227	37,0	1	M8
DAB12-135	12	157,0	135,00	336	172	279	45,0	1	M8
DAB12-150	12	174,0	150,00	481	170	239	50,0	1	M8
DAB12-160	12	173,0	137,70	532	207	219	51,0	4	M8
DAB12-200	12	211,0	169,80	522	240	222	61,5	4	M8
DAB12-230	12	230,0	190,00	521	270	208	74,0	4	M8

Stationary

DAB - AGM HIGH RATE STATIONARY BATTERIES

DAB-HR series is specially designed for heavy load discharge applications with 8 to15 years of design life in float service.

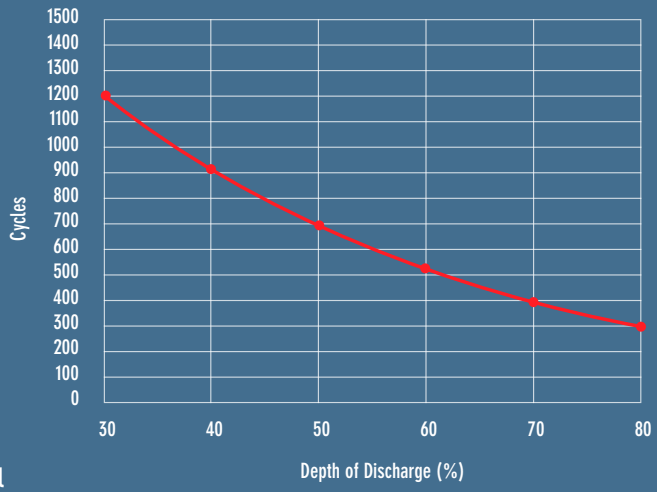
By using strong grids and specially designed active material the DAB-HR series offers stable performance during high current discharge. These series offers 30% more power output than the standard range. Suitable for UPS/EPS systems where high current loads are required.

VRLA:	Valve Regulated Lead-Acid
SLA:	Sealed Lead-Acid
AGM:	Absorbed Glass Matt

BENEFITS

- Capacity range: 16W-850W
- Voltage class: 6V/12V
- Long design life (25°C): 8-15 years
- Low self-discharge rate: ≤ 3%/month
- High sealed reaction efficiency: ≥99%
- Wide operation temperature range: - 20°C-60°C
- Structure compact design, shorter internal connectors between cells. Thus low internal resistance
- Plate: Pasted flat type with patent high rate formula of AM
- Terminal: two or more types of terminals are convenient for the selection
- Safety valve: flame filter is equipped with a safety valve system
- Separator: using an improved AGM separator, makes lower resistance and higher assembling pressure to increase deep cycle life.
- Battery case: made of high strength ABS(UL94-HB) and UL94-V0 is optional
- Terminal sealing: double sealing technic (mechanical + epoxy glue)

SERVICE LIFE: 300 CYCLES DOD 80%



Cycle life in relation to Depth of discharge

APPLICATIONS

UPS Medical Telecom

TECHNICAL INFORMATION

For more details about layouts & terminals, flip to page 75 for more information.

GENERAL FEATURES

- High corrosion resistant performance: Pb-Ca multi-alloy grid
- High energy density and power density
- Optimized capability of instant high-current discharging
- Excellent charge acceptance ability
- Excellent deep cycle discharge capability
- Strong high and low temperature performance
- Precision sealing technology
- Long life

Reference	Voltage (V)	Capacity (Ah/ C20)	Capacity (Ah/ C10)	Capacity (Ah/ C1)	Dimensions (mm)			Weight (kg)	Layout	Terminals
					X	Y	H			
DAB12-24HR	12	6	5,5	4,4	90	70	107	1,75	3	T2
DAB12-36HR	12	9	8,5	5,9	151	65	100	2,60	3	T2
DAB12-48HR	12	14	13,2	7,8	151	98	101	3,15	3	T2
DAB12-88HR	12	22	20,8	14,4	181	77	167	6,20	0	M5
DAB12-102HR	12	26	23,6	16,8	175	166	125	8,55	0	M5
DAB12-110HR	12	28	25,5	15,4	166	125	175	8,90	0	M5
DAB12-380HR	12	100	94,4	65,9	328	172	220	30,50	1	M8

Stationary

AGM - DAS

Valve regulated lead-acid (VRLA) batteries for general purpose applications with stable performance. Suitable for power supply in different industries or backup power supply equipment.

5 year Life Design "Floating Use"

VRLA: Valve Regulated Lead-Acid
SLA: Sealed Lead-Acid
AGM: Absorbed Glass Matt

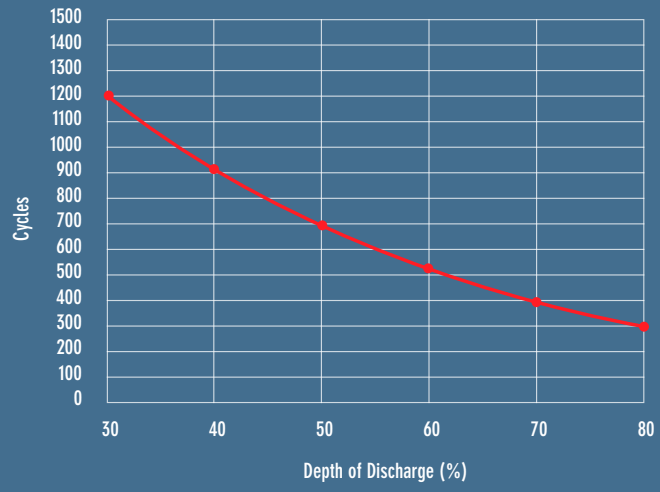
BENEFITS

- Maintenance free, sealed structure
- 5Y designed floating service life @ 25°C
- Stable performance
- Low internal resistance
- Good high-rate discharge performance
- ≤ 3% monthly self-discharge rate

TERMINALS AND ADAPTORS

- BAT/42019 - J-type adaptor M6 (one set is 2 adaptors)
- BAT/33955 - automot. adaptor M6 (one set is 2 adaptors)
- BAT/33956 - automot. adaptor M8 (one set is 2 adaptors)

SERVICE LIFE: 300 CYCLES DOD 80%



Cycle life in relation to Depth of discharge

APPLICATIONS

Emergency lighting | Fire & security | General purpose | Medical | UPS | Telecom | Alarm

TECHNICAL INFORMATION

For more details about layouts & terminals, flip to page 75 for more information.

Ref.	Voltage (V)	Capacity (Ah/ C20)	Capacity (Ah/C5)	Dimensions (mm)			Weight (kg)	Lay-out	Terminals
				X	Y	H			
4V									
DAS4-4.5	4	4,0	3,5	47	47	107	0,50	1	T1
6V									
DAS6-1	6	1,2	1,1	98	25	53	0,25	1	T1
DAS6-1.3	6	1,3	1,1	98	25	53	0,30	1	T1
DAS6-3.2	6	3,2	2,8	125	35	63	0,63	1	T1
DAS6-4.5	6	4,5	3,9	71	47	101	0,75	1	T1
DAS6-7.2	6	7,0	6,1	151	34	97	1,10	1	T2
DAS6-10	6	10,0	8,7	151	50	94	1,55	1	T1
DAS6-12	6	12,0	10,5	151	50	94	1,75	1	T2
DAS6-14	6	14,0	11,9	108	71	140	2,26	4	T1
12V									
DAS12-0.8	12	0,8	0,7	96	25	62	0,36	cable & bullet conn.	
DAS12-1.3	12	1,3	1,1	98	43	53	0,56	4	T1
DAS12-2.2	12	2,2	1,9	177	35	60	0,88	1	T1
DAS12-2.6	12	2,6	2,3	70	47	107	0,80	1	T1
DAS12-2.9	12	2,9	2,5	79	55	105	1,10	0	T1
DAS12-3.3	12	3,3	2,9	135	67	65	1,25	4	T1
DAS12-5	12	5,0	4,4	90	70	101	1,58	3	T1
DAS12-7.5	12	7,5	6,6	152	65	100	2,02	3	T1
DAS12-9	12	9,0	7,9	152	65	100	2,54	3	T2
DAS12-12	12	12,0	10,5	151	99	101	3,45	3	T2
DAS12-14	12	14,0	11,9	150	98	99	4,18	3	T2
DAS12-18	12	18,0	15,7	181	77	167	5,10	0	M5
DAS12-18 AL	12	18,0	15,3	181	77	167	4,90	0	FLAG
DAS12-26	12	26,0	22,6	166	175	125	7,70	0	M5
DAS12-33	12	35,6	30,1	195	130	167	10,00	1	M6
DAS12-44	12	48,4	41,0	197	165	172	14,50	0	M6
DAS12-70	12	65,0	55,0	349	167	179	23,60	0	M8

VRLA-AGM

DAS FR-SERIES

Valve regulated lead-acid (VRLA) batteries for standby applications (floating use) such as UPS systems, emergency centres, telephone exchanges, medical applications, solar panels, navy navigation, ...

FLAME RETARDANT UL94-V0 CASING

UL 94, the Standard for Safety of Flammability of Plastic Materials for Parts in Devices and Appliances testing, is a plastics flammability standard released by Underwriters Laboratories of the United States.

The standard determines the material's tendency to either extinguish or spread the flame once the specimen has been ignited.

V-0: burning stops within 10 seconds on a vertical specimen; drips of particles allowed as long as they are not inflamed.

Ref.	Voltage (V)	Capacity (Ah/ C20)	Capacity (Ah/C5)	Dimensions (mm)			Weight (kg)	Lay-out	Terminals
				X	Y	H			
12V									
DAS12-1.3FR	12	1,2	1,1	97	43,0	58	0,60	4	T1
DAS12-2.2FR	12	2,3	1,7	178	34,5	67	0,90	1	T1
DAS12-5FR	12	5,0	4,3	90	70,0	107	1,49	3	T1
DAS12-7.5FR	12	7,0	6,0	151	65,0	101	2,00	3	T1
DAS12-12FR	12	12,0	10,2	151	98,0	101	3,20	3	T2
DAS12-18FR	12	18,0	15,3	181	77,0	166	5,15	0	M5
DAS12-26FR	12	26,0	22,1	166	175,0	125	8,00	0	M5