

SEALED LEAD ACID

SB & GFM SERIES



SB & GFM Series battery incorporate advanced VRLA technology designed for general purpose with 5 years (SB) and 10 years (GFM) design life at 25°C

APPLICABLE FIELDS

All purpose
Uninterruptible power supply (UPS)
Emergency back power supply
Electric Power Systems (EPS)
Standby power supply
Alarm and security system
DC power supply
Telecommunication
Network Communication



SB & GFM FEATURES

Valve Regulated Lead Acid (VRLA) battery
Absorbent Glass Mat (AGM) separators technology for high efficiency, gas absorption of up to 98%
Using oxygen recombination technology: maintenance-free (no topping up)
High quality AGM separator: extend cycle life and prevent micro short circuit
ABS material: increase the strength of battery container. (Flame-retardant ABS is optional)
High purity raw material: ensure low self-discharge rate
Vent Valve – allows the release of excess gasses & prevents case rupture
Design according with IEC 60896-21/22

TECHNICAL SPECIFICATIONS

Nominal voltage 12V
Float voltage charge at 25°C: 13.5 ~ 13.8V
Boost charge/cyclic use: 14.4 ~ 15.0V
Maximum charge current: 0.25 at C20 A
Self-discharge at 20°C < 2% per month

SEALED LEAD ACID

SB & GFM SERIES



SB & GFM RANGES

12V Series VRLA Battery Specifications:

Battery Type	Nominal Voltage (V)	Nominal Capacity (Ah)	Approx Dimension (mm)			Weight (Kg)	Terminal Type
			L	W	TH		
12 SB 7	12	7	151	65	100	2.1	T1/T2
12 SB 9	12	9	151	65	100	2.5	T1/T2
12 SB 12	12	12	151	98	101	3.6	T1/T2
12 SB 18	12	18	182	77	168	5.3	T3
12 SB 28	12	28	167	175	125	8.4	T3/T12
12 SB 33	12	33	195	130	180	10.5	T5/T12
12 SB 40	12	40	197	165	170	12.2	T6/T12
6GFM-65L	12	65	348	167	178	19.2	T6
6GFM-70L	12	70	348	167	178	21.6	T6
6GFM-75L	12	75	259	168	214	21.0	T6/T14
6GFM-80L	12	80	259	168	214	22.6	T6
6GFM-90L	12	90	330	173	220	28.0	T11
6GFM-100L	12	100	330	173	220	30.0	T11
6GFM-120L	12	120	410	177	225	35.0	T11
6GFM-150L	12	150	485	170	240	42.5	T11
6GFM-200L	12	200	522	240	224	61.0	T11

Note: dimensions may have a tolerance of +/- 2mm

DAIREN

Components & Equipment Pte Ltd

Block 3027A Ubi Road 3 #01-93, Singapore 408656

Tel No: (65) 68485980

e mail : alfred_tankk@singnet.com.sg

web site : www.dce.com.sg