

DELTRONICS AGM VRLA BATTERY

DB12-09 (12V 9.0Ah)

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DELTRONICS



Application

- Emergency Power System
- Communication equipment
- Telecommunication systems
- Uninterruptible power supplies
- Electric toy car and wheelchairs, etc.
- Power tools
- Alarm system
- Marine equipment
- Medical equipment
- Fire and Security System

General Series battery

UG Series VRLA batteries are designed with AGM (Absorbent Glass Mat) technology, high performance plates and electrolyte to give extra power output for common power backup system. UUG Series Batteries are the general-purpose batteries with 10 years floating design life at 25°C, Meet with IEC,BS,JIS and Eurobat standard,UL(MH62092),CE approved.

General features

- Heavy Duty Grid
- Mechanized assembly
- Non-spillable construction
- High Reliability and Stability
- Sealed and Maintenance-free
- Long Life and low self-discharge design

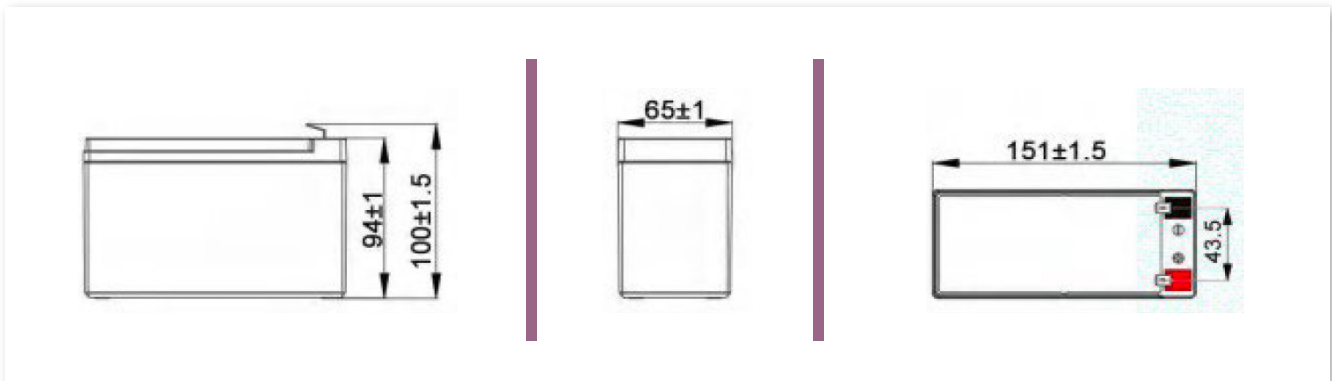
Construction

- PositiveLead dioxide
- Electrolyte.....Sulfuric acid
- Separator.....Fiber glass
- Negative.....Lead
- Safety Valve....EPDR
- Terminal.....Copper
- Container.....ABS(UL94-HB) / Flame Retardant
- ABS (UL94-V0)

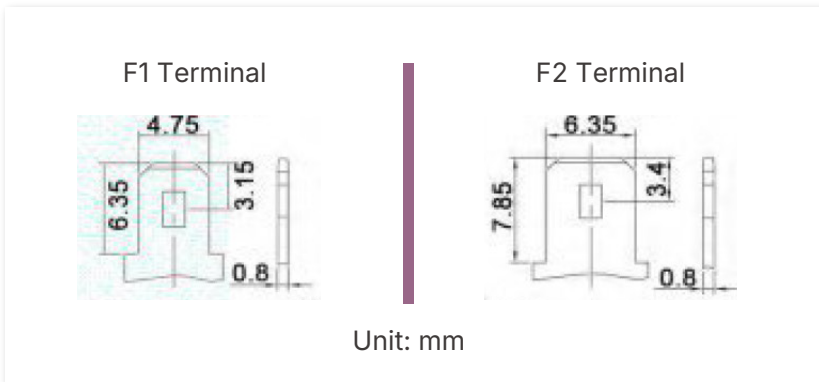
Specification

Battery Model	Nominal Voltage		12V (6 cells per unit)	
	Rated capacity (20 Hour rate)		9AH	
Dimension	Length	Width	Height	Total Height
	151mm (5.94 inches)	65mm (2.56 inches)	94mm (3.70 inches)	100mm (3.94 inches)
Aprox. Weight	2.35kg (5.18lbs) ± 3%			
Internal Resistance	Full charged at 25 (77):Approx 25.1mΩ			
Max. Charge Current	2.7 A			
Max. Discharge current	135 A (5Sec.)			
Short-circuit current	360 A			
Operating Temperature Range	Nominal Operating Temperature	Discharge	Charge	Storage
	25 (77)	-15 ~ 50 (5 ~122)	-15 ~ 40 (5 ~104)	-15 ~ 40 (5 ~104)
Capacity @ 25 (77)	20 hour rate(0.45A,10.5V)	10 hour rate(0,837A,10.5V)	5 hour rate(2.25A,10.5V)	1 hour rate(5.17A,9.6V)
	9.00Ah	8.37Ah	6.75Ah	5.71Ah
Capacity affected by Temp.(20HR)	40 (104)	25 (77)	0 (32)	-15 (5)
	102%	100%	85%	65%
Charge method	Float Charging Voltage		Equalization Charging Voltage	
	13.5 ~ 13.8 VDC/Unit at 25 (77)		14.4~ 15.0 VDC/Unit at 25 (77)	

Outer Dimension (mm)



Terminal type



High Performance AGM Technology

Long Service Life & Maintenance-Free Design

Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C(77°F)

1.85V/cell	A	28.1	18.2	14.6	11.9	8.59	5.02	2.89	2.11	1.44	0.982	0.818	0.440
	W	52.7	34.4	27.8	22.8	16.63	9.82	5.69	4.17	2.86	1.955	1.636	0.880
1.80V/cell	A	30.2	19.4	15.4	12.4	8.88	5.18	2.99	2.17	1.48	0.998	0.830	0.446
	W	55.7	36.1	29.0	23.5	17.08	10.08	5.86	4.28	2.93	1.983	1.657	0.891
1.75V/cell	A	31.8	20.6	16.1	12.8	9.14	5.32	3.08	2.22	1.51	1.013	0.837	0.450
	W	57.9	37.9	30.0	24.0	17.48	10.31	6.02	4.37	2.99	2.011	1.669	0.899
1.70V/cell	A	33.4	21.4	16.8	13.1	9.32	5.46	3.16	2.25	1.53	1.026	0.843	0.453
	W	60.0	38.9	31.0	24.4	17.73	10.54	6.16	4.42	3.02	2.034	1.679	0.904
1.67V/cell	A	34.2	21.9	17.2	13.3	9.49	5.57	3.21	2.28	1.55	1.031	0.847	0.455
	W	61.1	39.6	31.6	24.6	18.00	10.73	6.24	4.47	3.06	2.043	1.686	0.908
1.60V/cell	A	35.8	22.9	17.6	13.7	9.75	5.71	3.28	2.34	1.57	1.038	0.852	0.458
	W	63.3	41.0	32.1	25.2	18.42	10.97	6.37	4.59	3.10	2.055	1.695	0.913

Note: The above datas are average values. (Edition 2023-12)

