

VALVE REGULATED LEAD ACID BATTERIES – AGM



Nominal Voltage 12 V
Type AGM VRLA

Nominal Capacity
20 hours rate 8.0Ah
10 hours rate 7.5Ah
1C 3.8Ah
3C 2.8Ah

Weight 2.2kg

Internal Resistance 16mΩ@1kHz

Maximum Discharge Current for
5 sec. 115A
Short Circuit 220A

Operating Temperature Range
Charge -15°C ÷ 40°C
Discharge -15°C ÷ 50°C
Storage -15°C ÷ 40°C

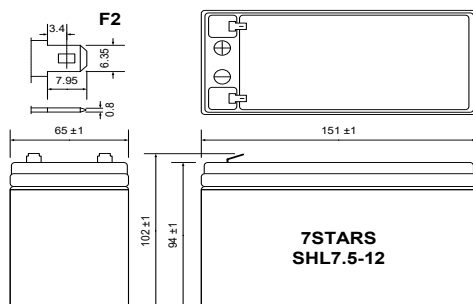
Charge Retention (self discharge) at 20°C
1 month 95%
3 months 92%
6 months 82%

Charging Methods at 20°C
Max. Charging Current 2.0A
Charging Voltage
Cycle use: 14.4 ÷ 15.0V
Standby use: 13.5 ÷ 13.8V
Thermal Coeff. Cycle/St.By -5.0/-3.0 mV/°C/cell

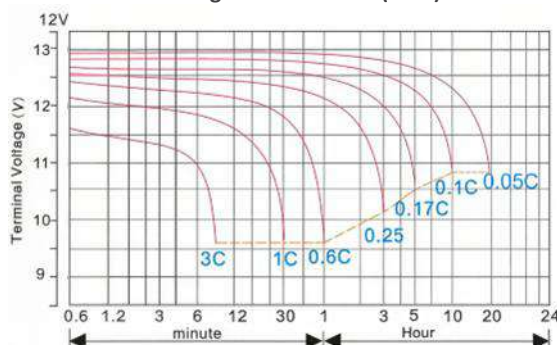
Life expectancy
Cycle Use
100% depth of discharge 200 cycles
50% depth of discharge 500 cycles
30% depth of discharge 1000 cycles
Standby Use 10 years Long Life (EUROBAT)

Case Material ABS UL94 HB

Terminal F2 (wide)



Discharge Characteristic (25°C)



Standards and Certifications: CE, IEC 62056-1, IEC 60896-21-1, IEC 60896-22-1, IEC 61000-6-1, IEC 61000-6-3

Constant Power Discharge Characteristics (25°C) [Watt]

Cut Off	Time									
	5'	10'	15'	30'	1H	2H	3H	5H	10H	20H
10.8V	285	194	159	91	50,0	29,3	20,8	15,6	8,83	4,77
10.5V	299	203	165	94	50,7	29,6	21,2	15,8	8,98	4,84
10.2V	325	209	169	95	51,6	30,0	21,7	16,0	9,12	4,91
9.9V	339	220	178	101	52,8	30,8	22,3	16,4	9,21	4,96
9.6V	351	230	186	105	54,1	31,6	22,7	16,8	9,30	5,01

Due to continuous product improvement, the design and specifications are subject to change without prior notice.