

VALVE REGULATED LEAD ACID BATTERIES – AGM



Nominal Voltage Type 12 V
AGM VRLA

Nominal Capacity

20 hours rate	12Ah
10 hours rate	11.4Ah
1C	6.4Ah
3C	4.2Ah

Weight 3.6kg

Internal Resistance 13mΩ@1kHz

Maximum Discharge Current for

5 sec.	180A
Short Circuit	360A

Operating Temperature Range

Charge	-15°C ÷ 40°C
Discharge	-15°C ÷ 50°C
Storage	-15°C ÷ 40°C

Charge Retention (shelf life) at 20°C

1 month	92%
3 months	90%
6 months	80%

Charging Methods at 20°C

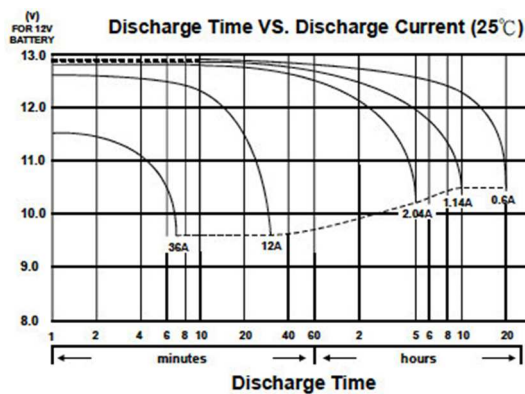
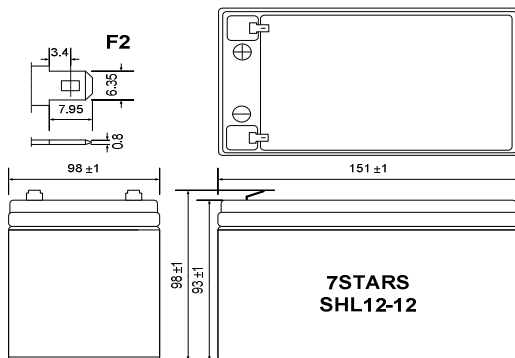
Max. Charging Current	3.6A
Charging Voltage	
Cycle use:	14.4 ÷ 15.0V
Standby use:	13.5 ÷ 13.8V
Thermal Coeff. Cycle/St.By	-5.0/-3.0 mV/°C/cell

Life expectancy

Cycle Use	
100% depth of discharge	200 cycles
50% depth of discharge	500 cycles
30% depth of discharge	1000 cycles
Standby Use	10/12 years Long Life (EUROBAT)

Case Material ABS UL94 HB

Terminal F2 (wide)



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	4H	5H	10H	20H
11.1V	406	288	232	133	95	51,8	33,9	28,7	23,8	14,0	7,14
10.8V	451	315	246	142	98	53,5	35,2	29,3	24,5	14,4	7,26
10.5V	485	329	256	148	100	54,2	36,3	29,8	25,1	14,6	7,50
10.2V	520	344	265	152	102	54,8	37,2	30,4	25,8	14,8	7,56
10.0V	536	349	267	154	103	55,1	37,6	30,7	26,0	14,9	7,68
9.9V	551	357	272	155	104	55,4	38,1	31,2	26,3	15,0	7,74
9.6V	582	366	280	158	105	55,9	38,5	31,6	26,9	15,1	7,92

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