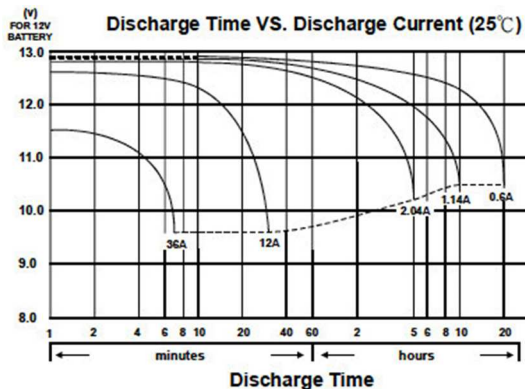
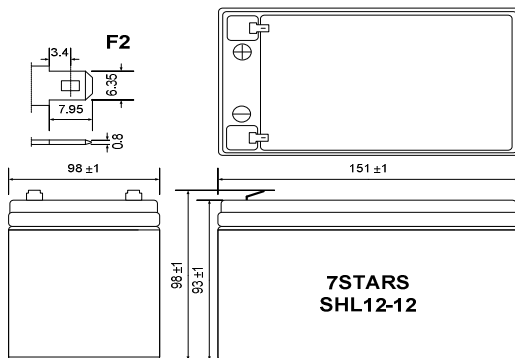


## VALVE REGULATED LEAD ACID BATTERIES – AGM



<b>Nominal Voltage</b>	12 V
<b>Type</b>	AGM VRLA
<b>Nominal Capacity</b>	
20 hours rate	12Ah
10 hours rate	11.4Ah
1C	6.4Ah
3C	4.2Ah
<b>Weight</b>	3.7kg
<b>Internal Resistance</b>	13mΩ@1kHz
<b>Maximum Discharge Current for</b>	
5 sec.	180A
Short Circuit	360A
<b>Operating Temperature Range</b>	
Charge	-15°C ÷ 40°C
Discharge	-15°C ÷ 50°C
Storage	-15°C ÷ 40°C
<b>Charge Retention (shelf life) at 20°C</b>	
1 month	92%
3 months	90%
6 months	80%
<b>Charging Methods at 20°C</b>	
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
<b>Life expectancy</b>	
<b>Cycle Use</b>	
100% depth of discharge	200 cycles
50% depth of discharge	500 cycles
30% depth of discharge	1000 cycles
<b>Standby Use</b>	10 years / Long Life (EUROBAT)
<b>Case Material</b>	ABS UL94 HB
<b>Terminal</b>	F2 (wide)

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.