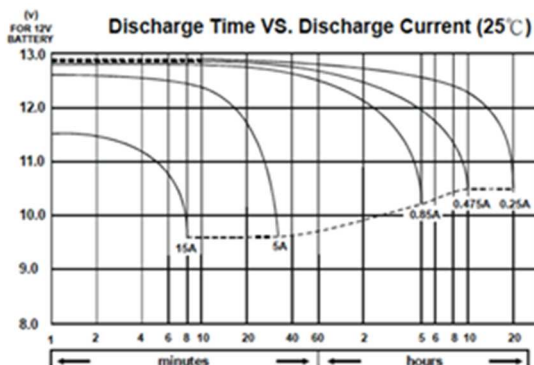
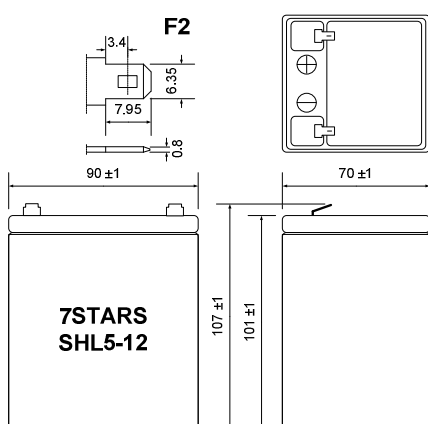


## VALVE REGULATED LEAD ACID BATTERIES – AGM



<b>Nominal Voltage</b>	12 V
<b>Type</b>	AGM VRLA
<b>Nominal Capacity</b>	
20 hours rate	5Ah
10 hours rate	4.8Ah
1C	2.8Ah
3C	2.0Ah
<b>Weight</b>	1.9kg
<b>Internal Resistance</b>	19mΩ@1kHz
<b>Maximum Discharge Current for</b>	
5 sec.	75A
Short Circuit	150A
<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	1.5A
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>	10/12 years Long Life (EUROBAT)
<b>Case Material</b>	ABS UL94 HB
<b>Terminal</b>	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	218	154	118	67,2	35,7	18,8	15,2	12,1	10,4	6,06	3,18
10.8V	237	166	127	70,2	37,6	20,3	16,3	12,9	11,2	6,54	3,43
10.5V	249	175	131	72,6	38,8	21,2	17,1	13,6	11,7	6,90	3,62
10.2V	261	181	135	75,0	40,2	21,9	17,8	14,0	11,9	7,02	3,69
10.0V	266	184	137	76,2	40,9	22,3	18,1	14,2	12,0	7,08	3,72
9.9V	273	188	139	76,8	41,6	22,8	18,4	14,4	12,1	7,14	3,75
9.6V	282	194	142	77,4	42,4	23,5	18,9	14,7	12,3	7,26	3,80

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