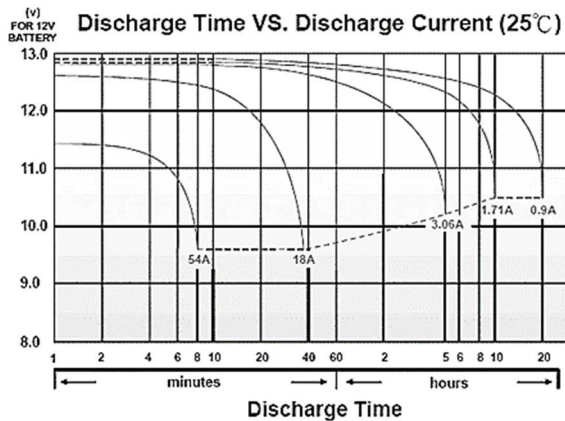
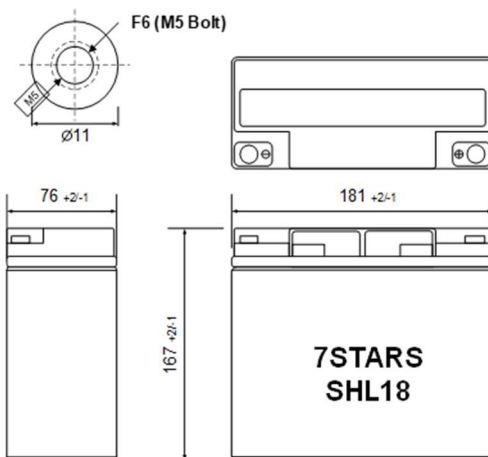


## VALVE REGULATED LEAD ACID BATTERIES – AGM



**Nominal Voltage Type** 12 V  
AGM VRLA

**Nominal Capacity**

20 hours rate	18Ah
10 hours rate	17,1Ah
5 hours rate	15,3Ah
1C	11,4Ah
3C	7,2Ah

**Weight** 5.8kg

**Internal Resistance** 10.5mΩ@1kHz

**Maximum Discharge Current for**

5 sec.	275A
Short Circuit	540A

**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	5.4A
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** F6 (M5 Bolt)  
Torque value (Max.)

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

Cut Off	Time										
	5'	10'	15'	30'	1H	2H	3H	4H	5H	10H	20H
11.1V	593	402	343	196	113	71,4	52,5	39,8	34,9	20,4	10,6
10.8V	696	463	387	211	119	74,4	54,6	41,6	36,3	21,1	11,0
10.5V	768	507	416	226	124	76,2	56,0	42,7	37,0	21,6	11,3
10.2V	810	535	435	236	128	78,6	57,2	43,6	37,6	22,0	11,5
10.0V	822	541	440	239	129	79,2	57,6	43,9	37,8	22,1	11,6
9.9V	834	550	445	242	131	79,8	58,1	44,3	38,1	22,3	11,7
9.6V	846	557	451	245	133	81,0	58,7	44,8	38,5	22,5	11,8

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