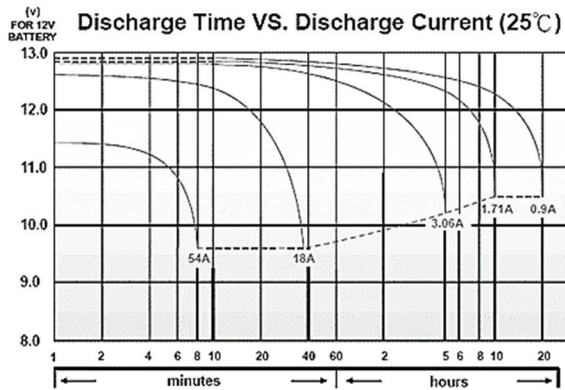
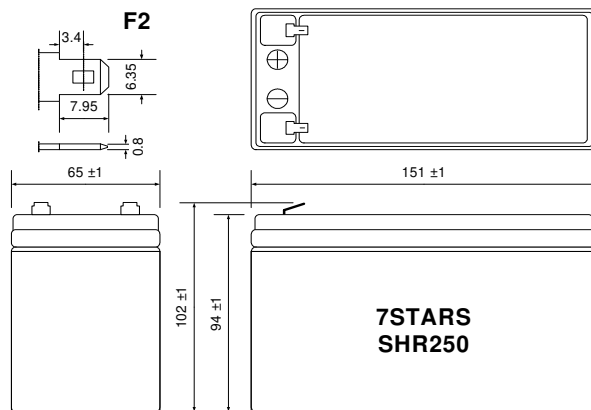


# SHR250

12V VRLA BATTERY



## VALVE REGULATED LEAD ACID BATTERIES – AGM



<b>Nominal Voltage</b>	12 V
<b>Type</b>	AGM VRLA
<b>Nominal Capacity</b>	
20 hours rate	9Ah
10 hours rate	8.5Ah
1C	6.5Ah
3C	4.5Ah
<b>Weight</b>	2.7kg
<b>Internal Resistance</b>	14mΩ@1kHz
<b>Maximum Discharge Current for</b>	
5 sec.	135A
Short Circuit	270A
<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	2.7A
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	364	250	180	123	68,6	46,0	29,5	21,4	18,2	10,5	5,32
10.8V	386	268	190	124	69,2	46,4	29,7	21,8	19,0	10,8	5,56
10.5V	401	275	199	125	70,1	47,1	30,1	22,1	19,5	11,0	5,68
10.2V	423	284	211	126	70,7	47,5	30,4	22,7	19,9	11,2	5,80
10.0V	434	289	216	128	71,3	47,9	30,7	23,0	20,0	11,3	5,85
9.9V	445	293	221	129	71,9	48,3	30,9	23,2	20,1	11,4	5,90
9.6V	471	305	227	130	72,1	48,0	31,1	23,5	20,3	11,5	5,92

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