

# SHL 100 - 12

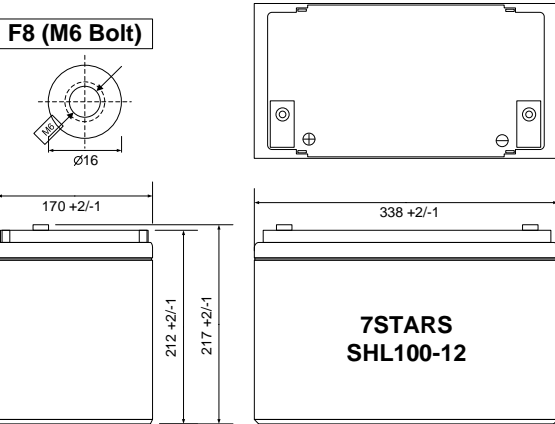
# 7 STARS

## Valve Regulated Lead Acid Batteries, AGM Technology



### SPECIFICATION

<b>Nominal Voltage (V)</b>	12V
<b>Nominal Capacity</b>	
10 hour rate	110Ah
5 hour rate	93.5Ah
1 hour rate	66.0Ah
1C	69.7Ah
<b>Weight</b>	32.7kg
<b>Internal Resistance</b>	5mΩ @ 1kHz
<b>Maximum Discharge Current for</b>	
5 sec.	1200A
<b>Operating Temperature Range</b>	
Charge	0°C ÷ 40°C
Discharge	-15°C ÷ 50°C
Storage	-15°C ÷ 40°C



### Charge Retention (shelf life) at 20°C

1 month	98%
3 month	94%
6 month	85%

### Charging Methods at 20°C

Cycle use:	
Charging Voltage	14.4 ÷ 15.0V
Max. Charging Current	30.0A
Standby use:	
Float Charging Voltage	13.50 ÷ 13.80V

### Life expectancy

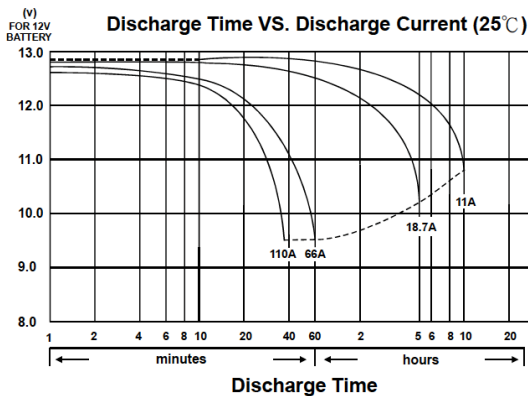
<b>Cycle Use</b>	
100% depth of discharge	250 cycles
80% depth of discharge	400 cycles
50% depth of discharge	600 cycles
<b>Standby Use</b>	12 years

### Case Material

ABS

### Terminal

Recommended torque value	F8 (M6 Bolt) 7 Nm (71kg-cm)
Maximum torque value	9 Nm (90kg-cm)



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

Cut Off V	Time											
	5 min.	10 min.	15 min.	30 min.	1 hour	1.5 hour	2 hours	3 hours	4 hours	5 hours	10 hours	20 hours
11.1	3 740	2 680	2 193	1 308	791,6	592,4	478,4	350,8	278,1	226,5	118,3	65,0
10.8	3 894	2 791	2 241	1 349	791,6	593,6	485,2	354,7	281,2	228,9	120,7	65,6
10.5	4 257	3 051	2 350	1 405	836,0	618,7	502,3	365,1	289,4	235,4	122,5	66,8
10.2	4 488	3 216	2 477	1 460	853,8	633,8	512,6	372,3	295,2	240,1	125,5	67,3
10.0	4 544	3 256	2 508	1 478	864,5	639,8	516,6	374,7	297,0	241,9	126,1	67,4
9.90	4 648	3 330	2 562	1 509	883,3	653,5	527,7	382,8	303,4	247,1	127,5	67,5
9.60	4 675	3 350	2 580	1 521	889,4	658,2	531,5	385,5	305,6	248,9	128,5	68,0

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