

# SHL65

12V VRLA BATTERY



## VALVE REGULATED LEAD ACID BATTERIES – AGM



**Nominal Voltage Type** 12V AGM VRLA

<b>Nominal Capacity</b>	
20 hours rate	65Ah
10 hours rate	61.8Ah
5 hours rate	55.3Ah
1C	41.2Ah
3C	26.0Ah

**Weight** 21.5kg

**Internal Resistance** 7mΩ@1kHz

<b>Maximum Discharge Current for</b>	
5 sec.	780A
Short Circuit	1560A

<b>Operating Temperature Range</b>	
Charge	-15°C ÷ 40°C
Discharge	-15°C ÷ 50°C
Storage	-15°C ÷ 40°C

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

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

**Charging Methods at 20°C**

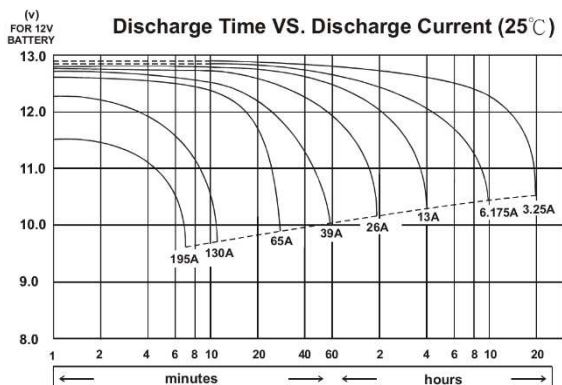
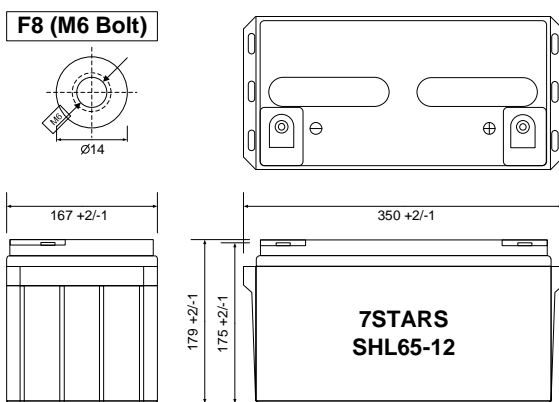
Max. Charging Current	19,5A
Charging Voltage	
Cycle use:	14.4 ÷ 15.0V
Standby use:	13.5 ÷ 13.8V
Thermal Coeff. Cycle/St.By	-5.0/-3.0 mV/°C/cell

**Life expectancy**

<b>Cycle Use</b>	
100% depth of discharge	250 cycles
50% depth of discharge	600 cycles
30% depth of discharge	1200 cycles
<b>Standby Use</b>	12 years / Long Life (EUROBAT)

**Case Material** ABS UL94 HB

**Terminal** F8 (M6 Bolt)  
Torque value (Max.) 7Nm (10Nm)



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

Cut Off	Time											
	5'	10'	15'	30'	1H	1.5H	2H	3H	4H	5H	10H	20H
11.1V	2 412	1 765	1 386	866	460	366	309	213	171	143	82,0	42,2
10.8V	2 580	1 861	1 440	885	467	372	314	216	174	145	83,0	42,9
10.5V	2 742	1 941	1 487	902	472	376	318	219	176	146	83,6	43,6
10.2V	2 892	2 019	1 526	917	478	381	323	221	178	148	84,2	44,2
10.0V	2 931	2 039	1 539	921	480	382	324	222	179	149	84,8	44,4
9.9V	2 970	2 059	1 551	925	481	383	324	223	180	149	85,4	44,6
9.6V	3 151	2 144	1 599	943	487	389	330	225	182	151	86,5	45,4

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