

SHL65

12V VRLA BATTERY



VALVE REGULATED LEAD ACID BATTERIES – AGM



Nominal Voltage 12V
Type AGM VRLA

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

Weight 21.3kg

Internal Resistance 6mΩ@1kHz

Maximum Discharge Current for
5 sec. 780A
Short Circuit 1560A

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 98%
3 months 94%
6 months 85%

Charging Methods at 20°C

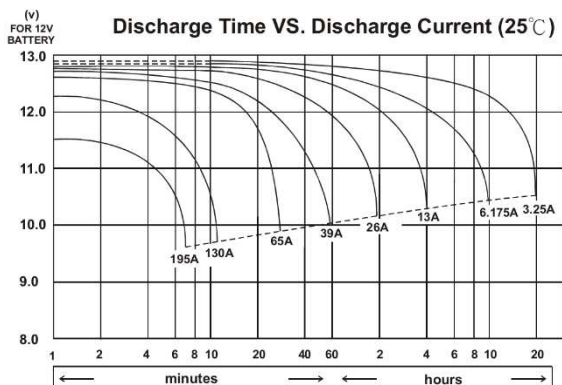
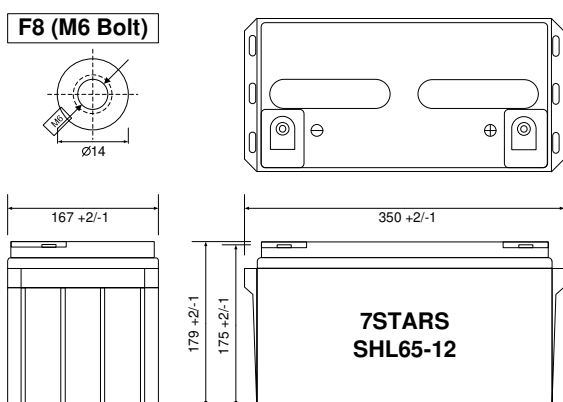
Max. Charging Current 19,5A
Charging Voltage
Cycle use: 14.4 ÷ 15.0V
Standby use: 13.5 ÷ 13.8V
Thermal Coeff. Cycle/St.By -5.0/-3.0 mV/°C/cell

Life expectancy

Cycle Use
100% depth of discharge 250 cycles
50% depth of discharge 600 cycles
30% depth of discharge 1200 cycles
Standby Use 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) [W]

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.