

SHL7

12V VRLA BATTERY



VALVE REGULATED LEAD ACID BATTERIES – AGM



Nominal Voltage Type 12 V
AGM VRLA

Nominal Capacity
20 hours rate 7Ah
10 hours rate 6.7Ah
1C 4.4Ah
3C 2.8Ah

Weight 2.2kg

Internal Resistance 19mΩ@1kHz

Maximum Discharge Current for
5 sec. 105A
Short Circuit 210A

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

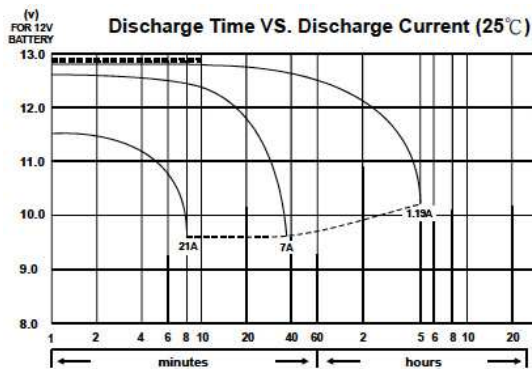
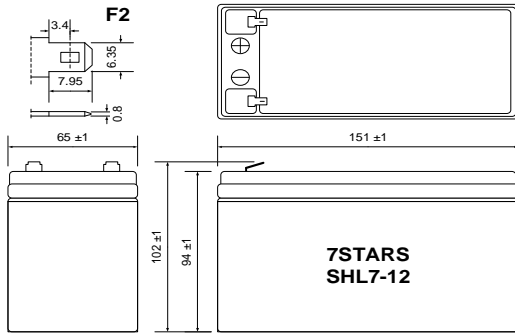
Max. Charging Current 2.1A
Charging Voltage 14.4 ÷ 15.0V
Cycle use: 13.5 ÷ 13.8V
Standby use: 13.5 ÷ 13.8V
Thermal Coeff. Cycle/St.By -5.0/-3.0 mV/°C/cell

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 F2 (wide)



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

Cut Off	Time										
	5'	10'	15'	30'	1H	2H	3H	4H	5H	10H	20H
11.1V	263	180	144	72,6	46,2	24,6	18,5	17,1	14,8	8,16	4,14
10.8V	282	191	151	77,4	50,3	27,1	19,9	17,6	15,2	8,40	4,23
10.5V	294	199	155	81,6	51,8	28,3	20,9	18,0	15,5	8,52	4,31
10.2V	306	206	159	84,6	53,2	29,5	21,7	18,3	15,7	8,58	4,37
10.0V	311	209	161	85,8	53,8	29,9	22,0	18,4	15,8	8,64	4,39
9.9V	317	213	164	86,4	54,5	30,4	22,3	18,6	15,9	8,64	4,42
9.6V	326	219	168	87,6	55,4	31,2	22,8	18,9	16,1	8,70	4,46

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