

VALVE REGULATED LEAD ACID BATTERIES – AGM



Nominal Voltage Type 12V
AGM VRLA

Nominal Capacity
10 hours rate 110Ah
5 hours rate 93.5Ah
1C 66.0Ah
3C 69.7Ah

Weight 33.4kg

Internal Resistance 5mΩ@1kHz

Maximum Discharge Current for
5 sec. 1200A
Short Circuit 2400A

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

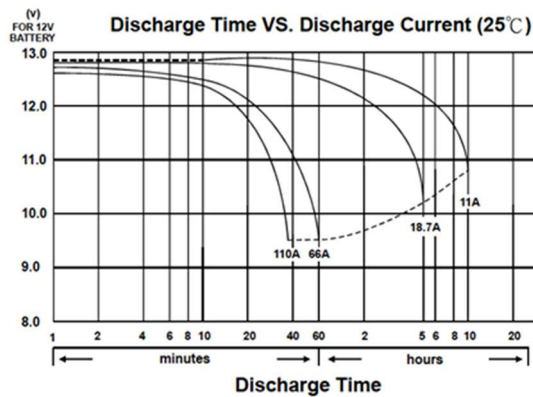
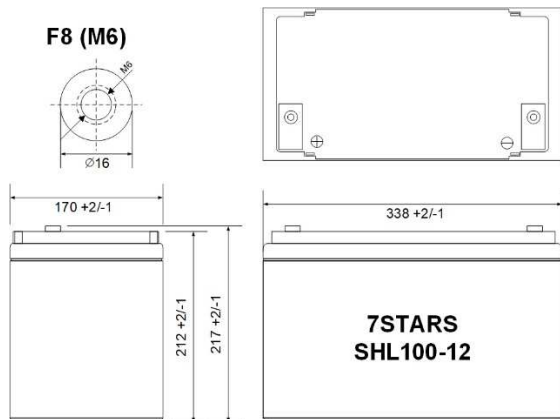
Max. Charging Current 33A
Charging Voltage
Cycle use: 14.4 ÷ 15.0V
Standby use: 13.5 ÷ 13.8V
Thermal Coeff. Cycle/St.By -5.0/-3.0 mV/°C/cell

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) [Watt]

Cut Off	Time											
	5'	10'	15'	30'	1H	1.5H	2H	3H	4H	5H	10H	20H
11.1V	3 295	2 587	2 142	1 465	860	575	455	340	258	224	118	66,5
10.8V	3 610	2 814	2 321	1 488	874	591	478	358	271	233	127	68,4
10.5V	4 015	3 104	2 460	1 578	904	606	495	368	280	240	130	70,2
10.2V	4 198	3 234	2 550	1 610	935	624	505	373	285	245	133	71,4
10.0V	4 309	3 299	2 588	1 633	948	630	511	377	290	248	136	72,6
9.9V	4 427	3 380	2 652	1 664	963	642	519	382	296	252	136	72,6
9.6V	4 648	3 460	2 703	1 682	972	648	524	386	299	254	137	73,2

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