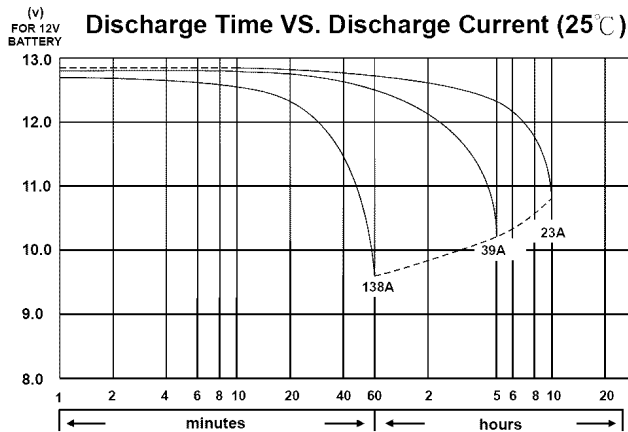
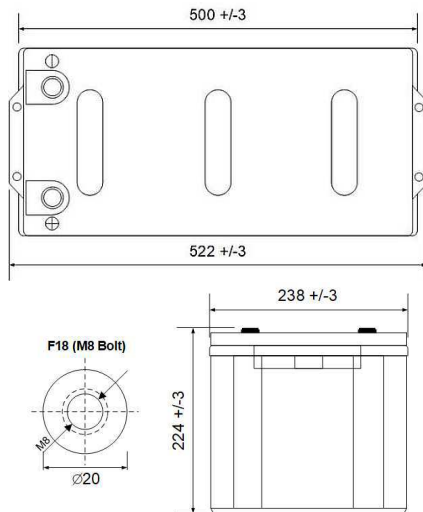
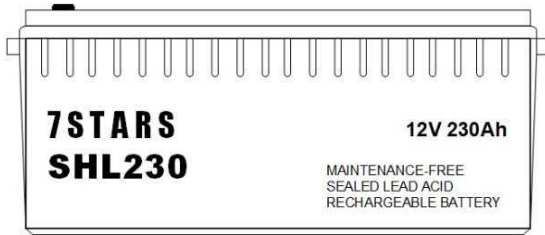


SHL230

12V VRLA BATTERY



VALVE REGULATED LEAD ACID BATTERIES – AGM



Nominal Voltage Type 12 V
AGM VRLA

Nominal Capacity
10 hours rate 230Ah
5 hours rate 196Ah
1 hour rate 138Ah
1C 86Ah

Weight 73.2kg

Internal Resistance 2.5mΩ@1kHz

Maximum Discharge Current for
5 sec. 1840A
Short Circuit 3600A

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

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 F18 (M8 Bolt)
Torque value (Max.) 12Nm (15Nm)

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	6 566	5 059	4 152	2 674	1 497	1 116	966	708	553	474	257	139
10.8V	7 223	5 518	4 488	2 856	1 604	1 212	1 020	750	582	496	269	146
10.5V	7 798	5 934	4 813	3 051	1 702	1 272	1 062	774	600	509	278	150
10.2V	8 208	6 246	5 064	3 222	1 782	1 320	1 092	792	618	520	285	153
10.0V	8 405	6 390	5 179	3 298	1 818	1 344	1 104	798	624	523	287	154
9.9V	8 561	6 509	5 294	3 374	1 853	1 368	1 116	804	630	527	290	155
9.6V	8 906	6 773	5 498	3 475	1 889	1 398	1 140	816	636	533	294	157

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