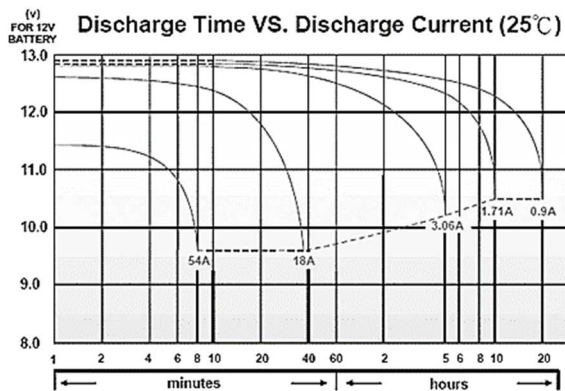
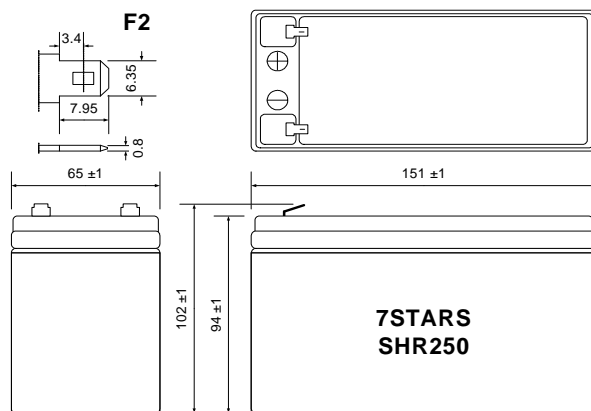


SHR250

12V VRLA BATTERY



VALVE REGULATED LEAD ACID BATTERIES – AGM



| | |
|--|---------------------------------|
| Nominal Voltage | 12 V |
| Type | AGM VRLA |
| Nominal Capacity | |
| 20 hours rate | 9Ah |
| 10 hours rate | 8.5Ah |
| 1C | 6.5Ah |
| 3C | 4.5Ah |
| Weight | 2.7kg |
| Internal Resistance | 14mΩ@1kHz |
| Maximum Discharge Current for | |
| 5 sec. | 135A |
| Short Circuit | 270A |
| 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 | 2.7A |
| 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 | 200 cycles |
| 50% depth of discharge | 500 cycles |
| 30% depth of discharge | 1000 cycles |
| Standby Use | 10/12 years Long Life (EUROBAT) |
| Case Material | ABS UL94 HB |
| Terminal | F2 (wide) |

Standards and Certifications: CE, IEC 62056-1, IEC 60896-21-1, IEC 60896-22-1, IEC 61000-6-1, IEC 61000-6-3

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

| Cut Off | Time | | | | | | | | | | |
|---------|------|-----|-----|-----|------|------|------|------|------|------|------|
| | 5' | 10' | 15' | 30' | 1H | 2H | 3H | 4H | 5H | 10H | 20H |
| 11.1V | 364 | 250 | 180 | 123 | 68,6 | 46,0 | 29,5 | 21,4 | 18,2 | 10,5 | 5,32 |
| 10.8V | 386 | 268 | 190 | 124 | 69,2 | 46,4 | 29,7 | 21,8 | 19,0 | 10,8 | 5,56 |
| 10.5V | 401 | 275 | 199 | 125 | 70,1 | 47,1 | 30,1 | 22,1 | 19,5 | 11,0 | 5,68 |
| 10.2V | 423 | 284 | 211 | 126 | 70,7 | 47,5 | 30,4 | 22,7 | 19,9 | 11,2 | 5,80 |
| 10.0V | 434 | 289 | 216 | 128 | 71,3 | 47,9 | 30,7 | 23,0 | 20,0 | 11,3 | 5,85 |
| 9.9V | 445 | 293 | 221 | 129 | 71,9 | 48,3 | 30,9 | 23,2 | 20,1 | 11,4 | 5,90 |
| 9.6V | 471 | 305 | 227 | 130 | 72,1 | 48,0 | 31,1 | 23,5 | 20,3 | 11,5 | 5,92 |

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