

DYNAMIS

LEAD-LINE 5-12 S

Rechargeable Sealed Lead-Acid Battery



Specification

Nominal Voltage (V) 12V

Nominal Capacity

| | |
|---------------------------------|--------|
| 20 hour rate (0,25A to 10,50V) | 5Ah |
| 10 hour rate (0,5A to 10,50V) | 4,75Ah |
| 5 hour rate (0,85A to 10,20V) | 4,25Ah |
| 1C (5A to 9,60V) | 2,25Ah |
| 3C (15A to 9,60V) | 1,8Ah |

Weight 1,83 kg

Internal Resistance (at 1kHz) 19 mΩ

Maximum Discharge Current for

30 seconds: 100A

Maximum Discharge Current for

5 seconds: 200A

Operating Temperature Range

Charge 0°C to 40°C

Discharge -15°C to 50°C

Storage -15°C to 40°C

Charge Retention (shelf life) at 20°C

1 month 92%

3 month 90%

6 month 80%

Charging Methods at 25°C

Cycle use:

Charging Voltage 14,4 to 15,0V

Maximum Charging Current: 1,5A

Standby use:

Float Charging Voltage 13,50 to 13,80V

Life expectancy:

Cycle Use:

100% depth of discharge 200 cycles

80% depth of discharge 225 cycles

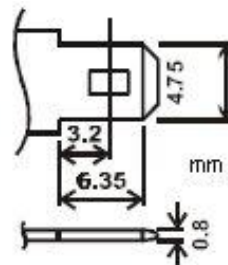
50% depth of discharge 500 cycles

Standby Use: 3 ~ 5 years

Case Material: ABS

(Option: 94-HB & 94V-0 flame retardant case)

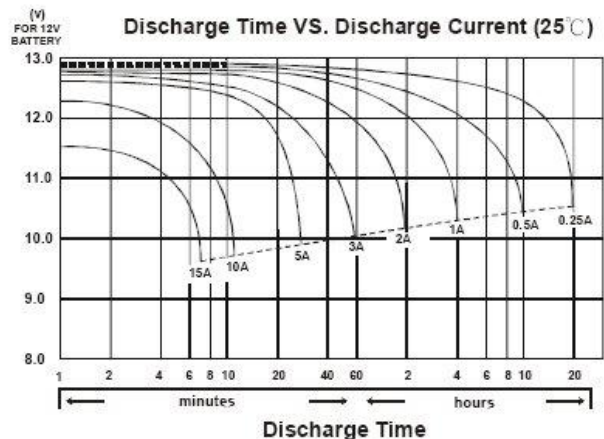
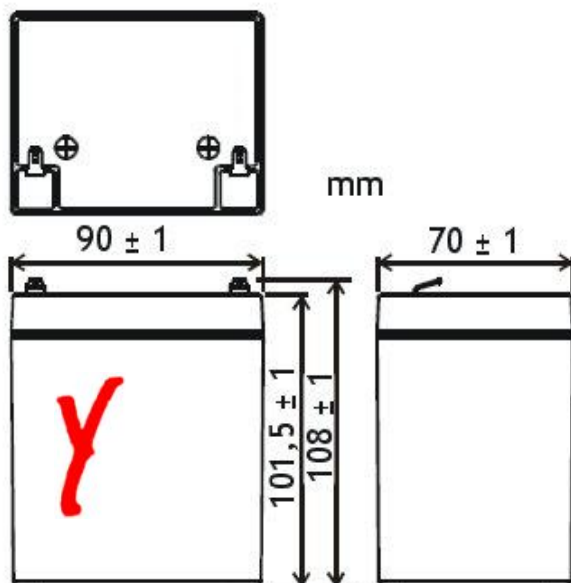
Terminal Type: S



S-pole

Order no. 60.05030

Certified according to UL.



PERFORMANCE DATA Discharge Rates in Watts to Various End Voltages at 25°C

| Time | 11,40V | 11,10V | 10,80V | 10,50V | 10,20V | 9,90V | 9,60V |
|------|--------|--------|--------|--------|--------|-------|-------|
| 1 | 373 | 384 | 394 | 404 | 416 | 427 | 440 |
| 2 | 320 | 355 | 369 | 377 | 385 | 393 | 400 |
| 3 | 282 | 309 | 341 | 363 | 367 | 373 | 378 |
| 5 | 240 | 259 | 277 | 293 | 299 | 319 | 326 |
| 7 | 203 | 225 | 241 | 248 | 250 | 263 | 266 |
| 10 | 169 | 186 | 197 | 203 | 204 | 210 | 212 |
| 15 | 132 | 143 | 151 | 155 | 157 | 158 | 159 |
| 20 | 109 | 118 | 124 | 126 | 127 | 128 | 129 |
| 30 | 81,2 | 87,2 | 90,6 | 92,3 | 93,0 | 93,5 | 93,7 |
| 60 | 46,8 | 50,6 | 52,3 | 53,0 | 53,3 | 53,5 | 53,6 |
| 90 | 32,7 | 35,6 | 36,8 | 37,3 | 37,5 | 37,7 | 37,8 |
| 120 | 25,6 | 27,7 | 28,7 | 29,1 | 29,3 | 29,4 | 29,5 |
| 180 | 18,3 | 19,6 | 20,3 | 20,5 | 20,6 | 20,7 | 20,8 |
| 240 | 14,4 | 15,3 | 15,8 | 16,0 | 16,1 | 16,1 | 16,2 |
| 300 | 11,9 | 12,7 | 13,0 | 13,2 | 13,3 | 13,3 | 13,4 |
| 360 | 10,3 | 10,8 | 11,1 | 11,3 | 11,3 | 11,4 | 11,4 |
| 480 | 7,85 | 8,35 | 8,59 | 8,70 | 8,75 | 8,78 | 8,80 |
| 600 | 6,36 | 6,77 | 6,97 | 7,05 | 7,09 | 7,12 | 7,14 |
| 1200 | 3,31 | 3,54 | 3,64 | 3,68 | 3,70 | 3,71 | 3,72 |