



12LS-26

12V 26Ah

VdS G112076

Design lifetime 5 years



Q-Batteries Security Akku 12LS-26 is an AGM battery with VdS-approval. It is designed for stand-by applications such as burglar-systems or UPS-systems.

Application

burglar-systems, UPS-systems,
fire-detecting-systems,
telecommunication-systems

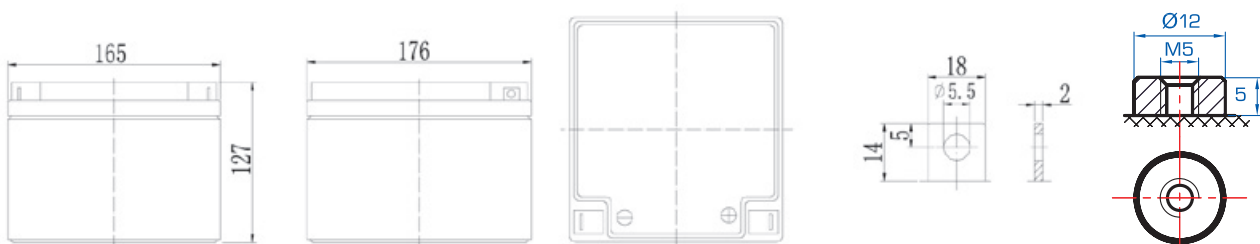


Specification

| | | | |
|------------------------------------|---|-------------------------|---------------------------|
| Voltage Per Unit | 12 V | | |
| Capacity | 26 Ah (20 h) cell voltage 1.7V / cell | | |
| Cells Per Unit | 6 | | |
| Weight | ca. 8.0 kg +/- 3kg | | |
| Max. Discharge Current | 390 A (5 sec.) | | |
| Internal Resistance | ca. 12m Ω | | |
| Operating Temperature Range Normal | Discharge: - 15°C – 50°C | Charge: -10°C – 50°C | Storage: - 20°C – 50°C |
| Operating Temperature Range | 25°C \pm 5°C | | |
| Self Discharge | Valve Regulated Lead Acid (VRLA) batteries can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using. | | |
| Terminal | F3, F13 | | |
| Container Material | A.B.S. (UL94-HB) | | |

Dimensions

165 Length x 176 Width x 127 mm Height



F13 (Schraubanschluss M5)

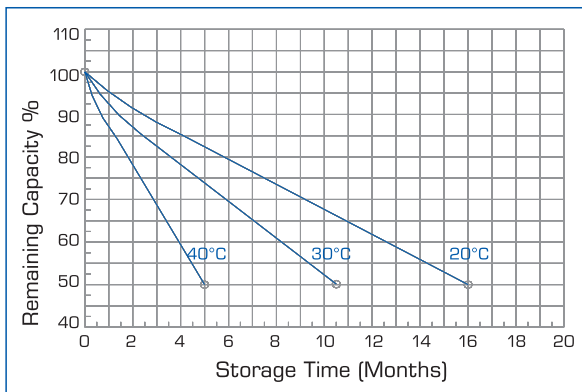
Constant current discharge characteristics: A (25°C)

| FV/Time | 5 Min. | 10 Min. | 15 Min. | 30 Min. | 1 HR | 3 HR | 5 HR | 10 HR | 20 HR |
|---------|--------|---------|---------|---------|------|------|------|-------|-------|
| 9.60 V | 95,0 | 65,0 | 46,5 | 28,2 | 16,2 | 6,93 | 4,51 | 2,47 | 1,30 |
| 10,2 V | 90,2 | 61,8 | 44,6 | 27,2 | 15,7 | 6,80 | 4,42 | 2,43 | 1,30 |
| 10,8 V | 84,8 | 58,0 | 42,4 | 26,0 | 15,0 | 6,56 | 4,28 | 2,37 | 1,25 |

Constant current discharge characteristics: Watt (25°C)

| FV/Time | 5 Min. | 10 Min. | 15 Min. | 30 Min. | 1 HR | 3 HR | 5 HR | 10 HR | 20 HR |
|---------|--------|---------|---------|---------|------|------|------|-------|-------|
| 9.60 V | 1.060 | 733 | 530 | 323 | 188 | 82,3 | 53,8 | 29,6 | 15,6 |
| 10,2 V | 1.006 | 697 | 508 | 312 | 182 | 80,8 | 52,8 | 29,1 | 15,6 |
| 10,8 V | 946 | 654 | 483 | 280 | 174 | 77,9 | 51,1 | 28,4 | 15,0 |

Storage characteristic:



Charging Method:

Charge the batteries at least once every six months, if they are stored at 25°C

Constant Voltage (V)
 $-0.2C \times 2h + 2.4-2.45V/Cell \times 24h$, max. Current 0.3CA

Constant Current (A)
 $-0.2C \times 2h + 0.1CA \times 12h$

Fast
 $-0.2C \times 2h + 0.3CA \times 4.0h$

Capacity Factors with different Temperature:

| Battery Type | | -20°C | -10°C | 0°C | 5°C | 10°C | 20°C | 25°C | 30°C | 40°C | 45°C |
|--------------|----------|-------|-------|-----|-----|------|------|------|------|------|------|
| GEL Battery | 6V & 12V | 50% | 70% | 83% | 85% | 90% | 98% | 100% | 102% | 104% | 105% |
| | 2V | 60% | 75% | 85% | 88% | 92% | 99% | 100% | 103% | 105% | 106% |
| AGM Battery | 6V & 12V | 46% | 66% | 76% | 83% | 90% | 98% | 100% | 103% | 107% | 109% |
| | 2V | 55% | 70% | 80% | 85% | 92% | 99% | 100% | 104% | 108% | 110% |