AGM VRLA AKÜ SERİSİ · AGM VRLA BATTERY SERIES

# SSP6-1.0

6V 1.0Ah · AGM VRLA · 51 × 42 × 57 mm

GENEL AMAÇLI VRLA AGM AKÜ / GENERAL PURPOSE VRLA AGM BATTERY







Ürün görseli / Product image

**6V**
GERİLİM
VOLTAGE

**1.0Ah**
KAPASİTE
CAPACITY

**28A**
KISA DEVRE
SHORT CIRCUIT

**≈ 60 mΩ**
İÇ DİRENÇ
INT. RESISTANCE

**0.25kg**
AĞIRLIK
WEIGHT

**5 yıl · yrs**
TASARIM ÖMRÜ
DESIGN LIFE

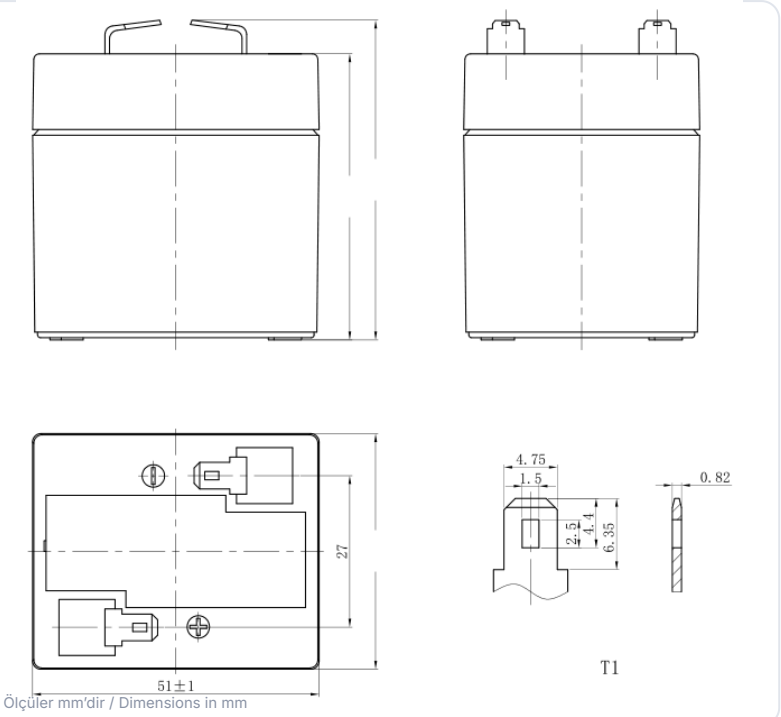
U × G × Y / L × W × H — **51 × 42 × 57 mm**

## TEKNİK ÖZELLİKLER
CHARACTERISTICS · ELECTRICAL / MECHANICAL / OPERATING

| | | |
|---|---|---|
| **Nominal gerilim**<br>Rated voltage | | **6V** |
| **Nominal kapasite (25°C)**<br>Nominal capacity (25°C) | C20,1.75V/cell | **1.0Ah** |
| **Boyutlar**<br>Dimensions | Uzunluk<br>Length | **51mm (2.01inches)** |
| | Genişlik<br>Width | **42mm (1.65inches)** |
| | Kutu yüksekliği<br>Container height | **51mm (2.01inches)** |
| | Toplam yükseklik<br>Total height | **57mm (2.24inches)** |
| **Yaklaşık ağırlık**<br>Approx. weight | | **0.25kg (0.551lbs)** |
| **Terminal** | | **T1** |
| **Kutu malzemesi**<br>Container material | | **ABS (UL94 HB; V-0 opsiyonel)**<br>ABS (UL94 HB or V-0 optional) |
| **Kısa devre akımı**<br>Short-circuit current | | **28A** |
| **İç direnç (25°C)**<br>Internal resistance (25°C) | | **Yaklaşık 60 mΩ (tam şarjlı)**<br>Approx. 60 mΩ (fully charged) |
| **Çalışma sıcaklığı aralığı**<br>Operating temp. range | Deşarj<br>Discharge | **-15~50°C (5~122°F)** |
| | Şarj<br>Charge | **-20~40°C (-4~104°F)** |
| | Depolama<br>Storage | **-15~40°C (5~104°F)** |

| | | |
|---|---|---|
| **Nominal çalışma sıcaklığı**<br>Nominal operating temp. range | | **25±3°C (77±5°F)** |
| **Maks. şarj akımı (25°C)**<br>Max. charging current (25°C) | | **0.3C** |
| **Şarj gerilimi (25°C)**<br>Charge voltage (25°C) | Bekleme kullanımı<br>Standby use | **Çevrimli kullanım**<br>Cycle use |
| | 2.25-2.30V/cell | **2.35-2.45V/cell** |
| **Sıcaklık katsayısı**<br>Temp. coefficient | -3mV/cell/°C | **-5mV/cell/°C** |
| **Sıcaklığın kapasiteye etkisi**<br>Effect of temperature on capacity | 40°C (104°F) | **103%** |
| | 25°C (77°F) | **100%** |
| | 0°C (32°F) | **86%** |
| **Kendiliğinden deşarj**<br>Self discharge | 25°C (77°F)'de ayda ≤ %3. Aküler 25°C (77°F)'de 6 aya kadar depolanabilir, ardından tazeleme şarjı gerekir. Daha yüksek sıcaklıklarda bu süre kısalır.<br>≤3% per month at 25°C (77°F). Batteries may be stored up to 6 months at 25°C (77°F), then a freshening charge is required. At higher temperatures the interval is shorter. | |

## 01 TEKNİK ÇİZİM / TECHNICAL DRAWING (mm)




Ölçüler mm'dir / Dimensions in mm

| Uzunluk Length | Genişlik Width | Kutu yüksekliği Container height | Toplam yükseklik Total height |
|---|---|---|---|
| 51mm | 42mm | 51mm | 57mm |

**TERMİNAL** / TERMINAL
**T1**

## 02 DEŞARJ TABLOLARI / DISCHARGE TABLES (25°C)

**Sabit akım deşarjı (A, 25°C)** / Constant current discharge (A, 25°C)

| Son ger. / F.V. | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 h | 1.5 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.85 V | 2.79 | 1.74 | 1.43 | 1.14 | 0.850 | 0.636 | 0.581 | 0.428 | 0.341 | 0.250 | 0.202 | 0.172 | 0.147 | 0.116 | 0.092 | 0.049 |
| 1.80 V | 3.00 | 1.85 | 1.50 | 1.19 | 0.877 | 0.653 | 0.595 | 0.437 | 0.347 | 0.254 | 0.205 | 0.174 | 0.149 | 0.118 | 0.094 | 0.049 |
| 1.75 V | 3.16 | 1.92 | 1.55 | 1.22 | 0.900 | 0.667 | 0.607 | 0.445 | 0.354 | 0.258 | 0.207 | 0.176 | 0.151 | 0.119 | 0.095 | 0.050 |
| 1.70 V | 3.31 | 2.00 | 1.60 | 1.26 | 0.922 | 0.682 | 0.618 | 0.453 | 0.359 | 0.262 | 0.210 | 0.179 | 0.153 | 0.120 | 0.096 | 0.050 |
| 1.67 V | 3.43 | 2.06 | 1.64 | 1.29 | 0.939 | 0.693 | 0.628 | 0.459 | 0.363 | 0.264 | 0.212 | 0.180 | 0.154 | 0.121 | 0.096 | 0.051 |
| 1.60 V | 3.63 | 2.14 | 1.69 | 1.32 | 0.964 | 0.710 | 0.642 | 0.468 | 0.370 | 0.269 | 0.216 | 0.183 | 0.156 | 0.123 | 0.097 | 0.051 |

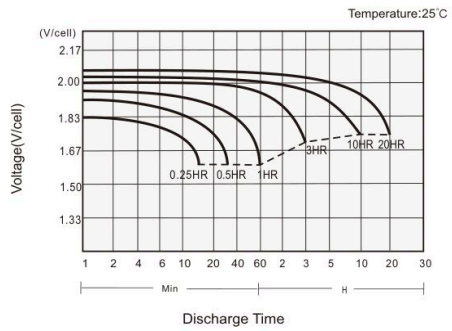
**Sabit güç deşarjı (W/hücre, 25°C)** / Constant power discharge (W/cell, 25°C)

| Son ger. / F.V. | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 h | 1.5 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.85 V | 5.28 | 3.32 | 2.73 | 2.21 | 1.64 | 1.23 | 1.13 | 0.836 | 0.668 | 0.491 | 0.398 | 0.339 | 0.291 | 0.230 | 0.184 | 0.098 |
| 1.80 V | 5.62 | 3.50 | 2.85 | 2.28 | 1.69 | 1.26 | 1.15 | 0.851 | 0.679 | 0.498 | 0.403 | 0.343 | 0.295 | 0.233 | 0.186 | 0.099 |
| 1.75 V | 5.86 | 3.61 | 2.92 | 2.33 | 1.72 | 1.28 | 1.17 | 0.864 | 0.689 | 0.504 | 0.407 | 0.347 | 0.298 | 0.235 | 0.188 | 0.100 |
| 1.70 V | 6.08 | 3.73 | 3.00 | 2.39 | 1.76 | 1.31 | 1.19 | 0.877 | 0.697 | 0.511 | 0.412 | 0.352 | 0.301 | 0.237 | 0.189 | 0.101 |
| 1.67 V | 6.24 | 3.81 | 3.07 | 2.43 | 1.79 | 1.33 | 1.21 | 0.886 | 0.704 | 0.515 | 0.416 | 0.354 | 0.304 | 0.239 | 0.191 | 0.102 |
| 1.60 V | 6.49 | 3.92 | 3.15 | 2.49 | 1.83 | 1.35 | 1.23 | 0.901 | 0.715 | 0.523 | 0.422 | 0.359 | 0.307 | 0.242 | 0.193 | 0.103 |

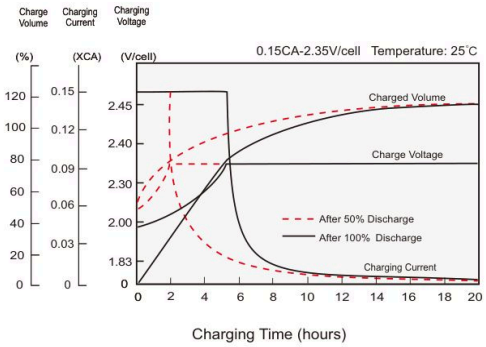
F.V. = son gerilim (V/hücre) / final voltage (V/cell) · min = dakika, h = saat / minutes, hours

## 03 PERFORMANS EĞRİLERİ / PERFORMANCE CURVES

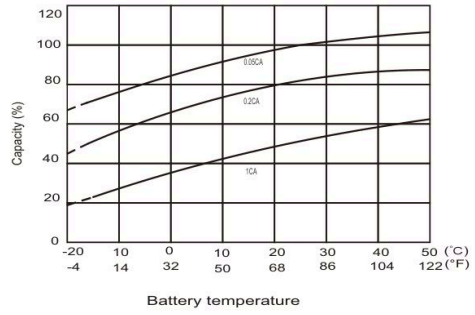
### DEŞARJ KARAKTERİSTİKLERİ
DISCHARGE CHARACTERISTICS



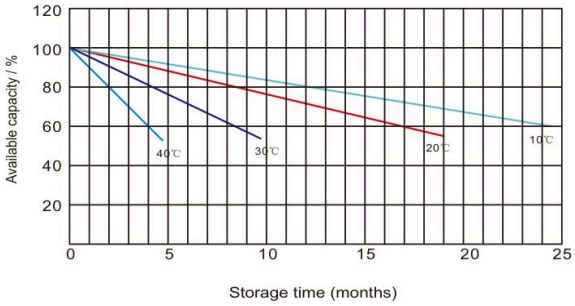

### ŞARJ KARAKTERİSTİKLERİ
CHARGING CHARACTERISTICS




### SICAKLIĞIN KAPASİTEYE ETKİSİ
EFFECT OF TEMPERATURE ON CAPACITY




### KENDİ KENDİNE DEŞARJ KARAKTERİSTİKLERİ
SELF-DISCHARGE CHARACTERISTICS




## 04 UYGULAMALAR · ÖZELLİKLER · STANDARTLAR / APPLICATIONS · FEATURES · STANDARDS

### UYGULAMALAR / APPLICATIONS

- **Kesintisiz güç kaynağı (UPS)**
  Uninterruptable Power Supply (UPS)
- **Elektrik güç sistemleri (EPS)**
  Electric Power System (EPS)
- **Acil durum yedek güç kaynağı**
  Emergency backup power supply
- **Alarm ve güvenlik sistemleri**
  Alarm and security system
- **Haberleşme güç kaynağı**
  Communication power supply
- **DC güç kaynağı**
  DC power supply
- **Otomatik kontrol sistemleri**
  Auto control system

### GENEL ÖZELLİKLER / GENERAL FEATURES

- **5 yıl tasarım ömrü (25°C)**
  5 years design life (25°C)
- **Kurşun-kalsiyum alaşım, kapalı tasarım, su ilavesi gerektirmez**
  Lead calcium alloy, sealed design, no watering required
- **Delinmeye dayanıklı mikro gözenekli cam elyaf separatörler ömrü uzatır**
  Puncture-resistant micro-porous glass mat separators extend life
- **Özel teknoloji; güç kapasitesini, hücre tutarlılığını ve uzun vadeli güvenilirliği optimize eder**
  Unique technology optimizes power capacity, cell consistency, and long-term reliability
- **Geniş bir uygulama yelpazesi için tasarlanmıştır**
  Designed for a wide range of applications

### STANDARTLAR / STANDARDS

- **IEC 60896 standartlarına ve AB Pil/Akü Direktifine uygun**
  Compliance with IEC 60896 standards, EU Battery Directive
- **UL, CE onaylı**
  UL, CE approved

## 05 AGM VRLA TEKNOLOJİSİ / AGM VRLA TECHNOLOGY

AGM (Absorbent Glass Mat) aküde elektrolit, plakalar arasına sıkıştırılmış cam elyaf separatörlere tamamen emdirilmiştir; serbest sıvı asit bulunmaz. Valf regülasyonlu (VRLA) kapalı yapı sızdırmaz ve bakım gerektirmez.

In an AGM (Absorbent Glass Mat) battery the electrolyte is fully absorbed in glass-fibre separators compressed between the plates, so there is no free liquid acid. The sealed valve-regulated (VRLA) design is spill-proof and maintenance-free.

Yukarıdaki veriler tavsiye niteliğindedir; ürün görseli temsilidir. Teknik özellikler önceden haber verilmeksizin değiştirilebilir. Data above are recommended values; the product image is representative. Specifications are subject to change without prior notice. © STAY STRONG – SELÇUK ALEMDAR ENERJİ İTH. İHR. SAN. VE TİC. A.Ş.