AGM VRLA AKÜ SERİSİ · AGM VRLA BATTERY SERIES

SSP2-500

2V 500Ah · AGM VRLA · 240 × 175 × 350 mm

GENEL AMAÇLI VRLA AGM AKÜ / GENERAL PURPOSE VRLA AGM BATTERY



Ürün görseli / Product image

2V
GERİLİM
VOLTAGE

500Ah
KAPASİTE
CAPACITY

6000A
KISA DEVRE
SHORT CIRCUIT

≈ 0.55 mΩ
İÇ DİRENÇ
INT. RESISTANCE

28.3kg
AĞIRLIK
WEIGHT

15 yıl · yrs
TASARIM ÖMRÜ
DESIGN LIFE

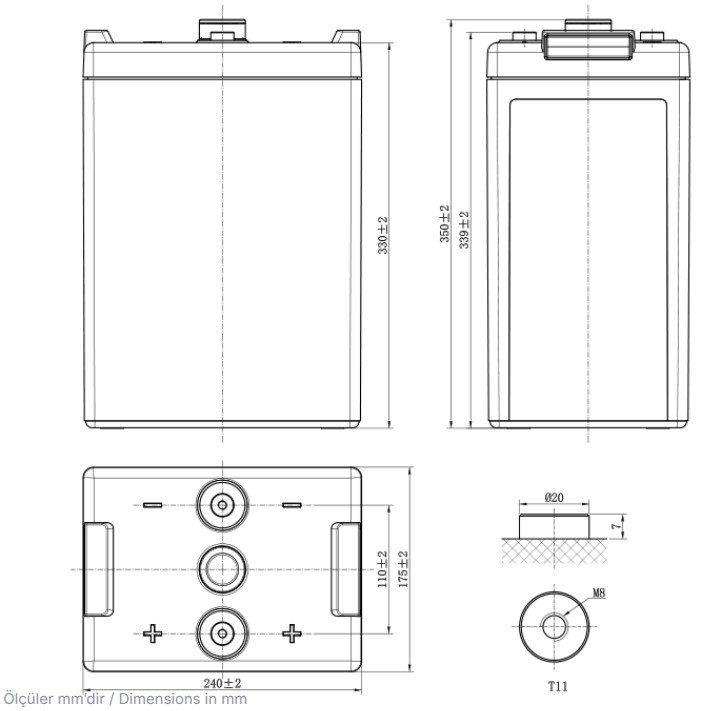
U × G × Y / L × W × H **240 × 175 × 350 mm**

TEKNİK ÖZELLİKLER
CHARACTERISTICS · ELECTRICAL / MECHANICAL / OPERATING

Nominal gerilim Rated voltage		**2V**
Nominal kapasite (25°C) Nominal capacity (25°C)	C10,1.80V/cell	**500Ah**
Boyutlar Dimensions	Uzunluk Length	**240mm (9.45inches)**
	Genişlik Width	**175mm (6.89inches)**
	Kutu yüksekliği Container height	**330mm (13.0inches)**
	Toplam yükseklik Total height	**350mm (13.8inches)**
Yaklaşık ağırlık Approx. weight		**28.3kg (62.4lbs)**
Terminal		**T11(M8)**
Kutu malzemesi Container material		**ABS (UL94 HB; V-0 opsiyonel)** ABS (UL94 HB or V-0 optional)
Kısa devre akımı Short-circuit current		**6000A**
İç direnç (25°C) Internal resistance (25°C)		**Yaklaşık 0.55 mΩ (tam şarjlı)** Approx. 0.55 mΩ (fully charged)
Çalışma sıcaklığı aralığı Operating temp. range	Deşarj Discharge	**-15~50°C (5~122°F)**
	Şarj Charge	**-20~40°C (-4~104°F)**
	Depolama Storage	**-15~40°C (5~104°F)**

Nominal çalışma sıcaklığı Nominal operating temp. range		**25±3°C (77±5°F)**
Maks. şarj akımı (25°C) Max. charging current (25°C)		**0.3C**
Şarj gerilimi (25°C) Charge voltage (25°C)	Bekleme kullanımı Standby use	**Çevrimli kullanım** Cycle use
	2.25-2.30V/cell	**2.35-2.40V/cell**
Sıcaklık katsayısı Temp. coefficient	-3mV/cell/°C	**-5mV/cell/°C**
Sıcaklığın kapasiteye etkisi Effect of temperature on capacity	40°C (104°F)	**103%**
	25°C (77°F)	**100%**
	0°C (32°F)	**86%**
Kendiliğinden deşarj 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. ≤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
240mm	175mm	330mm	350mm

TERMİNAL / TERMINAL
T11(M8)

02 DEŞARJ TABLOLARI / DISCHARGE TABLES (25°C)

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

Son ger. / F.V.	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	371.6	333.4	308.7	269.6	235.9	186.1	152.2	117.0	94.1	79.4	69.0	56.0	46.9	25.1
1.80 V	445.1	393.2	354.5	301.4	261.1	203.5	162.0	126.6	101.5	85.6	74.0	60.0	50.0	26.5
1.75 V	511.4	429.0	370.9	313.7	275.1	210.4	169.0	130.0	104.0	87.5	75.5	61.1	50.8	26.8
1.70 V	569.9	480.9	401.0	325.6	280.7	217.5	174.2	133.8	106.6	89.5	77.1	62.2	51.6	27.2
1.67 V	590.2	497.7	405.8	333.0	286.6	221.4	175.5	135.8	108.1	90.6	78.1	62.8	52.0	27.4
1.60 V	620.3	518.8	413.4	350.2	300.6	231.3	182.9	140.8	111.7	93.4	80.2	64.3	53.1	27.9

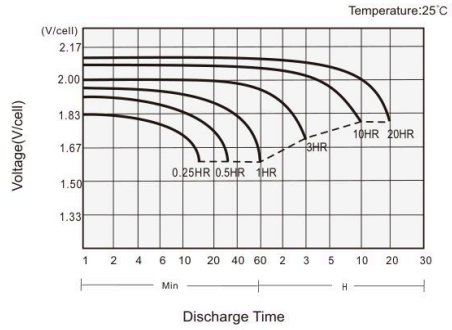
Sabit güç deşarjı (W/hücre, 25°C) / Constant power discharge (W/cell, 25°C)

Son ger. / F.V.	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	667.5	612.3	566.8	522.8	458.7	362.8	296.6	229.5	185.0	156.4	136.0	110.7	92.7	49.9
1.80 V	790.5	714.9	645.5	580.3	504.2	394.7	311.2	247.3	198.7	167.9	145.5	118.3	98.8	52.6
1.75 V	898.1	772.1	669.5	599.3	519.2	405.5	323.8	252.8	202.9	171.2	148.1	120.2	100.2	53.3
1.70 V	988.9	856.4	706.1	617.1	534.5	416.6	332.6	258.9	207.3	174.6	150.9	122.1	101.6	53.9
1.67 V	1002.7	875.5	718.5	627.8	543.1	422.6	336.1	262.1	209.6	176.4	152.4	123.2	102.4	54.3
1.60 V	1048.5	902.8	725.5	653.3	564.1	437.8	348.1	270.2	215.5	181.0	156.1	125.7	104.3	55.2

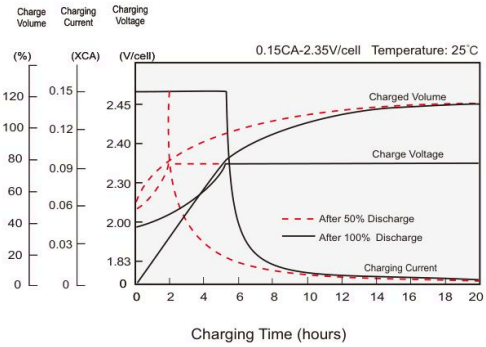
F.V. = son gerilim (V/hücre) / final voltage (V/cell) · min = dakika, h = saat / minutes, hours

03 PERFORMANS EĞRİLERİ / PERFORMANCE CURVES

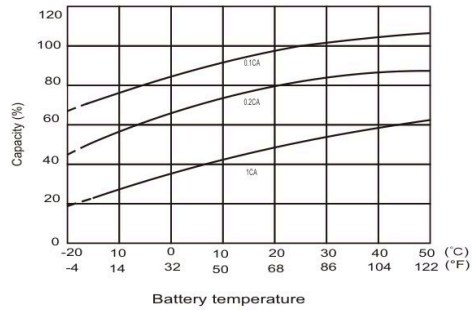
DEŞARJ KARAKTERİSTİKLERİ
DISCHARGE CHARACTERISTICS



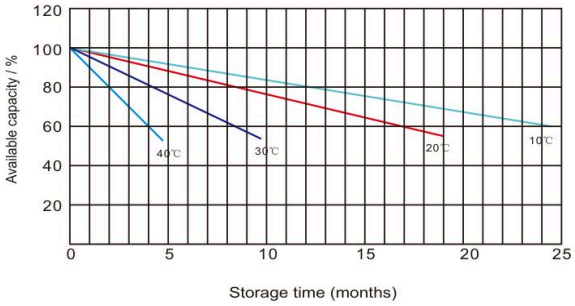
ŞARJ KARAKTERİSTİKLERİ
CHARGING CHARACTERISTICS



SICAKLIĞIN KAPASİTEYE ETKİSİ
EFFECT OF TEMPERATURE ON CAPACITY



KENDİ KENDİNE DEŞARJ KARAKTERİSTİKLERİ
SELF-DISCHARGE CHARACTERISTICS



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

UYGULAMALAR / APPLICATIONS

- **Telekomünikasyon merkez istasyonu (kablolu veya hücresel)**
  Telecommunication central station (wired or cellular)
- **Enerji sistemi haberleşmesi, askeri haberleşme vb.**
  Power system communication, military communication, etc.
- **Ağ haberleşmesi: veri iletimi, televizyon sinyali iletimi vb.**
  Network communication: data transmission, television signal transmission, etc.
- **Kesintisiz güç kaynağı (telekom UPS)**
  Uninterruptible power system (UPS for telecom)

GENEL ÖZELLİKLER / GENERAL FEATURES

- **15 yıl tasarım ömrü (25°C)**
  15 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.