AGM VRLA AKÜ SERİSİ · AGM VRLA BATTERY SERIES

SSP2-1000

2V 1000Ah · AGM VRLA · 475 × 175 × 350 mm

GENEL AMAÇLI VRLA AGM AKÜ / GENERAL PURPOSE VRLA AGM BATTERY



Ürün görseli / Product image

2V
GERİLİM
VOLTAGE

1000Ah
KAPASİTE
CAPACITY

11000A
KISA DEVRE
SHORT CIRCUIT

≈ 0.3 mΩ
İÇ DİRENÇ
INT. RESISTANCE

56.6kg
AĞIRLIK
WEIGHT

15 yıl · yrs
TASARIM ÖMRÜ
DESIGN LIFE

U × G × Y / L × W × H **475 × 175 × 350 mm**

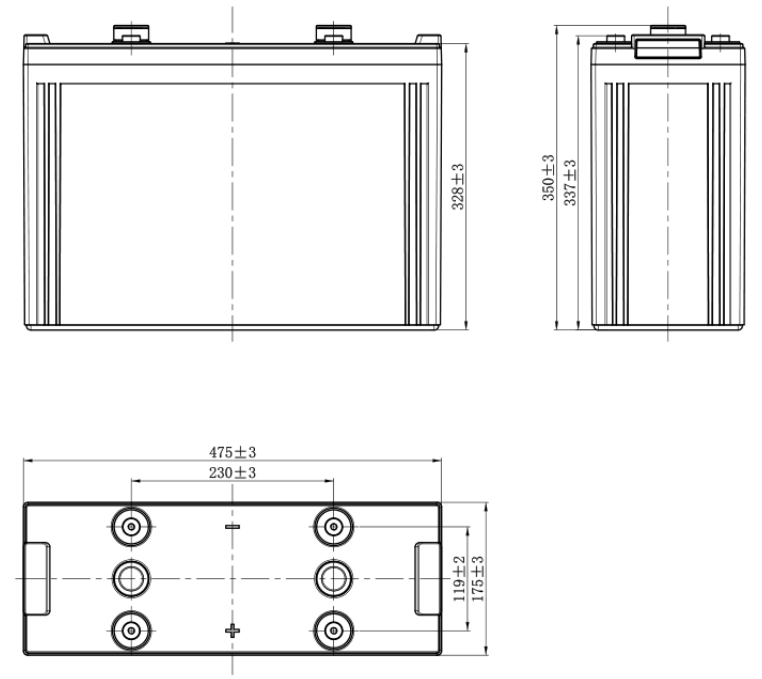
TEKNİK ÖZELLİKLER
CHARACTERISTICS · ELECTRICAL / MECHANICAL / OPERATING

Nominal gerilim Rated voltage		**2V**
Nominal kapasite (25°C) Nominal capacity (25°C)	C10,1.80V/cell	**1000Ah**
Boyutlar Dimensions	Uzunluk Length	**475mm (18.7inches)**
	Genişlik Width	**175mm (6.89inches)**
	Kutu yüksekliği Container height	**328mm (12.9inches)**
	Toplam yükseklik Total height	**350mm (13.8inches)**
Yaklaşık ağırlık Approx. weight		**56.6kg (124.8lbs)**
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		**11000A**
İç direnç (25°C) Internal resistance (25°C)		**Yaklaşık 0.3 mΩ (tam şarjlı)** Approx. 0.3 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.	

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01 TEKNİK ÇİZİM / TECHNICAL DRAWING (mm)



Ölçüler mm'dir / Dimensions in mm

Uzunluk Length	Genişlik Width	Kutu yüksekliği Container height	Toplam yükseklik Total height
475mm	175mm	328mm	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	743.2	666.8	617.4	539.3	472.0	372.2	304.1	234.1	188.3	158.9	137.9	112.1	93.7	50.2
1.80 V	890.1	786.4	709.1	603.0	522.3	407.2	321.8	253.2	202.9	171.1	147.9	120.0	100.0	53.0
1.75 V	1022.7	858.0	742.0	627.5	550.2	420.9	336.6	260.0	208.0	175.0	151.0	122.2	101.6	53.7
1.70 V	1139.8	961.7	802.0	651.3	561.5	435.1	346.2	267.6	213.2	179.0	154.3	124.4	103.1	54.4
1.67 V	1180.4	995.4	811.6	666.0	573.3	443.0	347.8	271.6	216.2	181.2	156.1	125.6	104.0	54.8
1.60 V	1240.6	1037.7	826.8	700.4	601.2	462.8	365.7	281.6	223.4	186.8	160.5	128.6	106.3	55.7

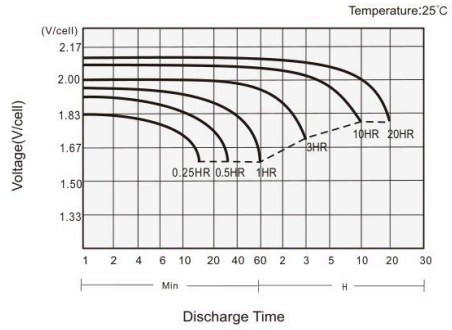
Sabit güç deşarjı (W/hücre, 25°C) / Constant power discharge (W/cell, 25°C)

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	1335.0	1224.6	1133.8	1045.7	917.5	725.7	588.3	458.9	370.0	312.7	271.9	221.5	185.4	99.9
1.80 V	1580.9	1429.8	1291.1	1160.7	1008.5	789.5	618.2	494.5	397.4	335.8	290.9	236.6	197.6	105.3
1.75 V	1796.3	1544.2	1339.1	1198.6	1038.4	811.0	642.3	505.5	405.8	342.4	296.2	240.5	200.3	106.6
1.70 V	1977.8	1712.7	1412.3	1234.3	1069.1	833.4	653.3	517.9	414.6	349.2	301.8	244.2	203.1	107.8
1.67 V	2005.3	1751.0	1437.2	1255.8	1086.2	845.3	658.4	524.2	419.3	352.8	304.8	246.4	204.7	108.6
1.60 V	2097.0	1805.6	1451.2	1306.6	1128.4	875.7	696.1	540.4	431.1	362.0	312.1	251.5	208.5	110.4

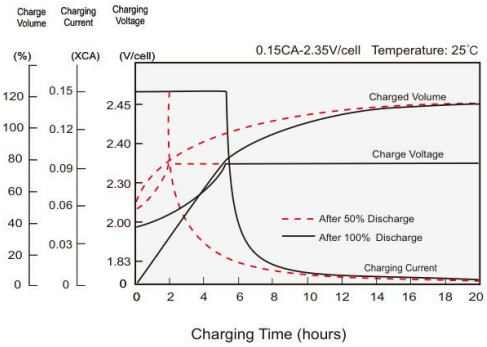
F.V. = son gerilim (V/hücre) / final voltage (V/cell) · min = dakika, h = saat / minutes, hours

03 PERFORMANS EĞRİLERİ / PERFORMANCE CURVES

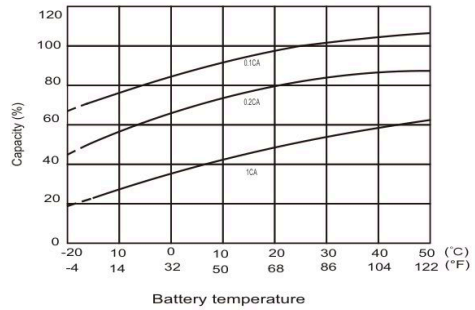
DEŞARJ KARAKTERİSTİKLERİ
DISCHARGE CHARACTERISTICS



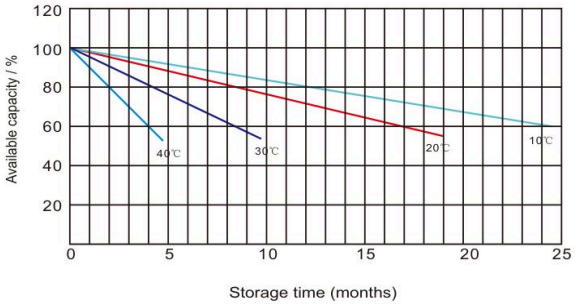
ŞARJ KARAKTERİSTİKLERİ
CHARGING CHARACTERISTICS



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.