AGM VRLA AKÜ SERİSİ · AGM VRLA BATTERY SERIES

SSP2-1200

2V 1200Ah · AGM VRLA · 475 × 175 × 350 mm

GENEL AMAÇLI VRLA AGM AKÜ / GENERAL PURPOSE VRLA AGM BATTERY



Ürün görseli / Product image

2V
GERİLİM
VOLTAGE

1200Ah
KAPASİTE
CAPACITY

10800A
KISA DEVRE
SHORT CIRCUIT

≈ 0.3 mΩ
İÇ DİRENÇ
INT. RESISTANCE

63.8kg
AĞIRLIK
WEIGHT

15 yıl · yrs
TASARIM ÖMRÜ
DESIGN LIFE

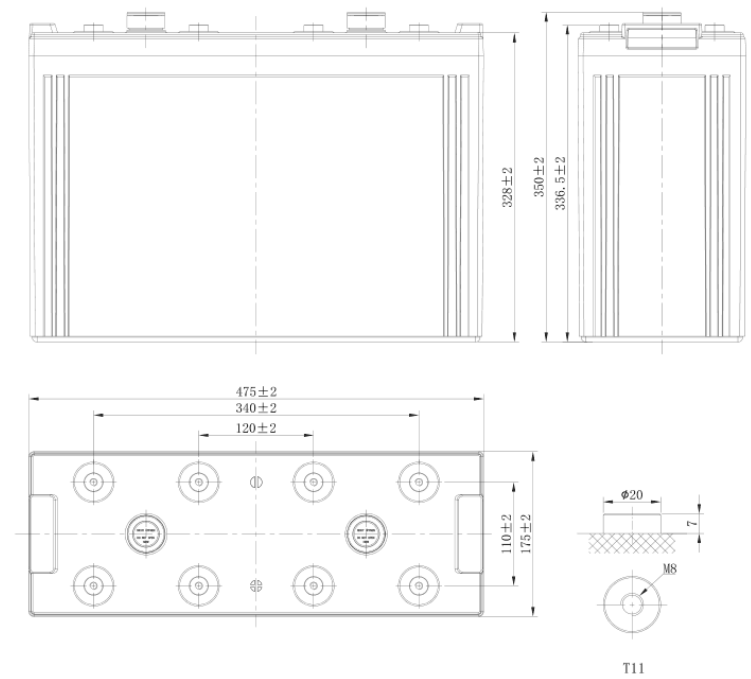
U × G × Y / L × W × H **475 × 175 × 350 mm**

TEKNİK ÖZELLİKLER
CHARACTERISTICS · ELECTRICAL / MECHANICAL / OPERATING

Nominal gerilim Rated voltage		**2V**
Nominal kapasite (25°C) Nominal capacity (25°C)	C10,1.80V/cell	**1200Ah**
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		**63.8kg (140.7lbs)**
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		**10800A**
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.	

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	900.8	814.4	756.0	660.9	601.9	433.0	373.2	284.8	232.9	198.3	173.2	138.6	115.6	61.8
1.80 V	1118.2	990.6	868.2	728.1	629.4	473.7	390.0	298.8	243.3	206.6	180.9	144.6	120.0	64.0
1.75 V	1233.1	1044.3	908.5	760.9	661.7	489.6	405.6	308.8	251.5	213.0	185.2	147.5	121.6	64.3
1.70 V	1372.3	1169.0	967.2	800.4	679.8	506.2	421.8	318.4	257.0	216.6	188.5	150.0	123.0	65.0
1.67 V	1420.6	1209.5	993.8	825.3	704.2	515.3	435.6	325.6	262.5	221.3	191.8	152.3	124.4	65.7
1.60 V	1492.1	1260.3	1012.4	842.5	720.8	538.3	444.0	331.2	266.2	224.5	194.4	154.5	126.2	66.2

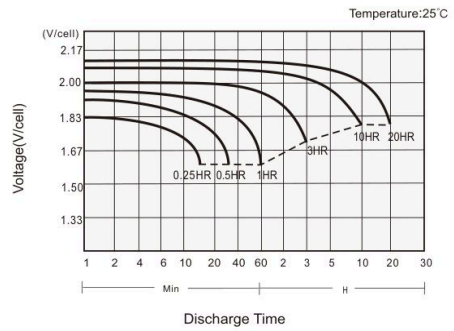
Sabit güç deşarjı (W/hücre, 25°C) / Constant power discharge (W/cell, 25°C)

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	1658.7	1506.4	1388.3	1249.6	1164.3	844.2	725.9	556.6	456.7	390.6	342.2	275.0	229.8	123.1
1.80 V	2037.1	1814.5	1580.8	1365.3	1210.7	918.3	755.0	581.2	475.5	405.2	356.1	286.1	238.3	127.3
1.75 V	2222.9	1894.1	1639.7	1417.1	1257.7	943.4	782.0	599.1	490.0	416.3	363.4	291.1	241.1	127.7
1.70 V	2445.7	2098.8	1729.4	1478.9	1294.9	969.5	809.9	615.4	498.7	422.2	369.3	295.8	243.8	129.1
1.67 V	2514.6	2157.7	1759.8	1512.9	1333.8	983.3	832.8	626.5	507.6	429.8	374.5	299.5	246.3	130.2
1.60 V	2594.3	2212.8	1776.8	1532.1	1355.8	1018.7	843.6	634.0	512.5	434.2	378.5	303.3	249.4	131.0

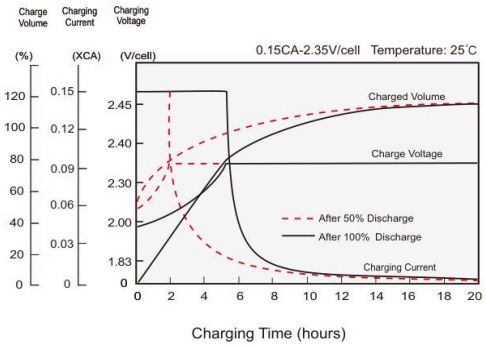
F.V. = son gerilim (V/hücre) / final voltage (V/cell) · min = dakika, h = saat / minutes, hours

03 PERFORMANS EĞRİLERİ / PERFORMANCE CURVES

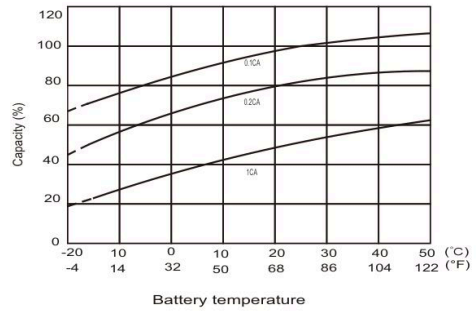
DEŞARJ KARAKTERİSTİKLERİ
DISCHARGE CHARACTERISTICS



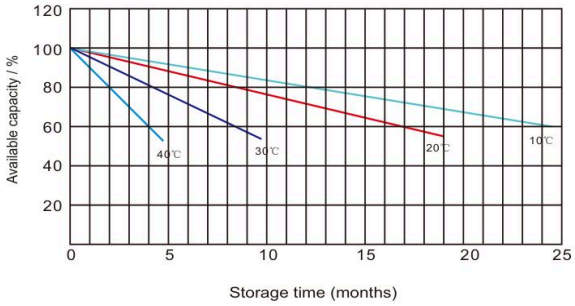
ŞARJ KARAKTERİSTİKLERİ
CHARGING CHARACTERISTICS



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.