AGM VRLA AKÜ SERİSİ · AGM VRLA BATTERY SERIES

SSP12-0.8

12V 0.8Ah · AGM VRLA · 96 × 25 × 62 mm

GENEL AMAÇLI VRLA AGM AKÜ / GENERAL PURPOSE VRLA AGM BATTERY



Ürün görseli / Product image

12V GERİLİM VOLTAGE	**0.8Ah** KAPASİTE CAPACITY
22.4A KISA DEVRE SHORT CIRCUIT	**≈ 245 mΩ** İÇ DİRENÇ INT. RESISTANCE
0.33kg AĞIRLIK WEIGHT	**5 yıl · yrs** TASARIM ÖMRÜ DESIGN LIFE

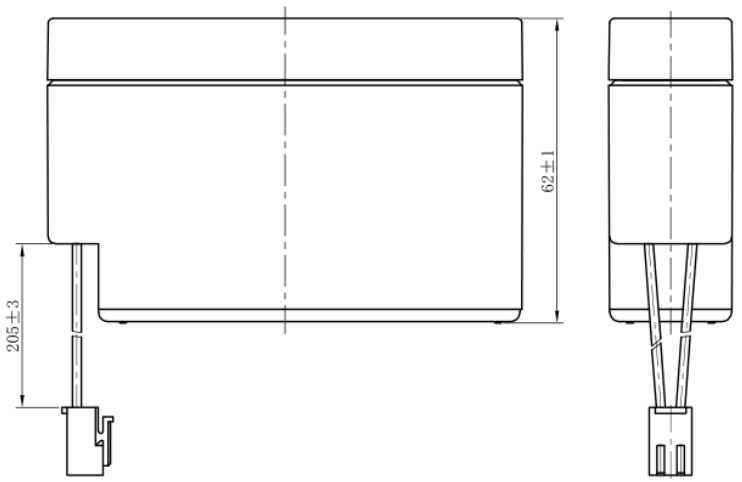
U × G × Y / L × W × H — **96 × 25 × 62 mm**

TEKNİK ÖZELLİKLER
CHARACTERISTICS · ELECTRICAL / MECHANICAL / OPERATING

Nominal gerilim Rated voltage		**12V**
Nominal kapasite (25°C) Nominal capacity (25°C)	C20,1.75V/cell	**0.8Ah**
Boyutlar Dimensions	Uzunluk Length	**96mm (3.78inches)**
	Genişlik Width	**25mm (0.984inches)**
	Kutu yüksekliği Container height	**62mm (2.44inches)**
	Toplam yükseklik Total height	**62mm (2.44inches)**
Yaklaşık ağırlık Approx. weight		**0.33kg (0.728lbs)**
Terminal		**/**
Kutu malzemesi Container material		**ABS (UL94 HB; V-0 opsiyonel)** ABS (UL94 HB or V-0 optional)
Kısa devre akımı Short-circuit current		**22.4A**
İç direnç (25°C) Internal resistance (25°C)		**Yaklaşık 245 mΩ (tam şarjlı)** Approx. 245 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	**2.35-2.45V/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
96mm	25mm	62mm	62mm

TERMİNAL / TERMINAL

/

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	1.54	1.07	0.883	0.766	0.614	0.473	0.386	0.303	0.236	0.180	0.148	0.125	0.109	0.086	0.072	0.040
1.80 V	1.89	1.28	1.02	0.866	0.680	0.515	0.416	0.331	0.251	0.189	0.155	0.131	0.113	0.090	0.074	0.040
1.75 V	2.24	1.44	1.13	0.943	0.726	0.547	0.438	0.350	0.262	0.196	0.160	0.134	0.116	0.092	0.076	0.040
1.70 V	2.54	1.59	1.22	1.01	0.763	0.569	0.456	0.368	0.272	0.202	0.164	0.138	0.119	0.093	0.077	0.041
1.67 V	2.80	1.71	1.29	1.06	0.795	0.591	0.475	0.383	0.280	0.207	0.168	0.141	0.121	0.095	0.078	0.042
1.60 V	2.94	1.79	1.35	1.10	0.818	0.604	0.486	0.395	0.289	0.212	0.172	0.144	0.124	0.097	0.080	0.042

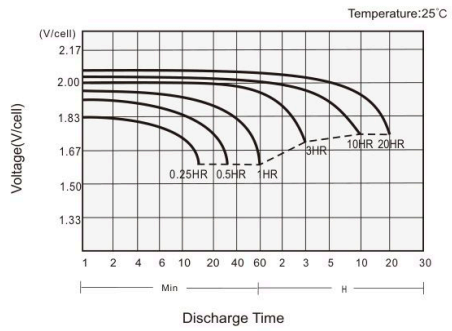
Sabit güç deşarjı (W/hücre, 25°C) / Constant power discharge (W/cell, 25°C)

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	2.90	2.04	1.70	1.48	1.20	0.927	0.761	0.594	0.467	0.357	0.295	0.251	0.218	0.174	0.145	0.080
1.80 V	3.52	2.41	1.95	1.67	1.32	1.00	0.815	0.644	0.494	0.374	0.308	0.260	0.226	0.179	0.149	0.080
1.75 V	4.12	2.70	2.13	1.80	1.40	1.06	0.853	0.679	0.512	0.384	0.316	0.266	0.230	0.183	0.151	0.081
1.70 V	4.62	2.94	2.29	1.92	1.46	1.09	0.884	0.712	0.530	0.395	0.322	0.271	0.235	0.184	0.153	0.082
1.67 V	5.03	3.13	2.39	1.99	1.51	1.13	0.915	0.735	0.543	0.403	0.327	0.275	0.238	0.187	0.154	0.082
1.60 V	5.19	3.21	2.46	2.03	1.53	1.14	0.928	0.743	0.556	0.410	0.333	0.279	0.241	0.189	0.156	0.082

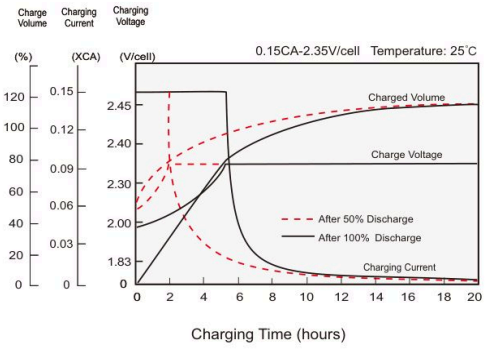
F.V. = son gerilim (V/hücre) / final voltage (V/cell) · min = dakika, h = saat / minutes, hours

03 PERFORMANS EĞRİLERİ / PERFORMANCE CURVES

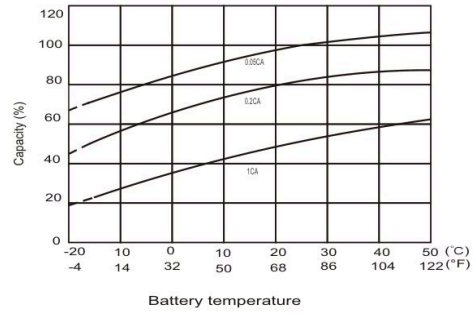
DEŞARJ KARAKTERİSTİKLERİ
DISCHARGE CHARACTERISTICS



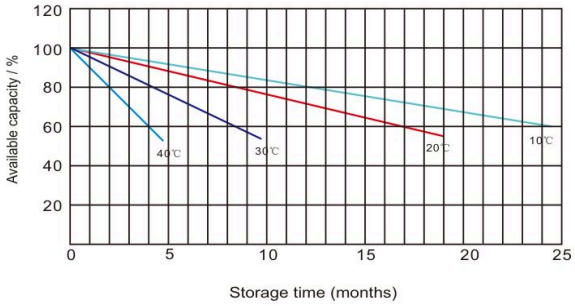
ŞARJ KARAKTERİSTİKLERİ
CHARGING CHARACTERISTICS



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.