JEL VRLA AKÜ SERİSİ · GEL VRLA BATTERY SERIES

SSPGS2-400

2V 400Ah · GEL VRLA · 210 × 175 × 339 mm

HİBRİT JEL AKÜ / HYBRID GEL BATTERY





Ürün görseli / Product image

2V
GERİLİM
VOLTAGE

400Ah
KAPASİTE
CAPACITY

5200A
KISA DEVRE
SHORT CIRCUIT

≈ 0.6 mΩ
İÇ DİRENÇ
INT. RESISTANCE

25.5kg
AĞIRLIK
WEIGHT

16 yıl · yrs
TASARIM ÖMRÜ
DESIGN LIFE

U × G × Y / L × W × H — **210 × 175 × 339 mm**

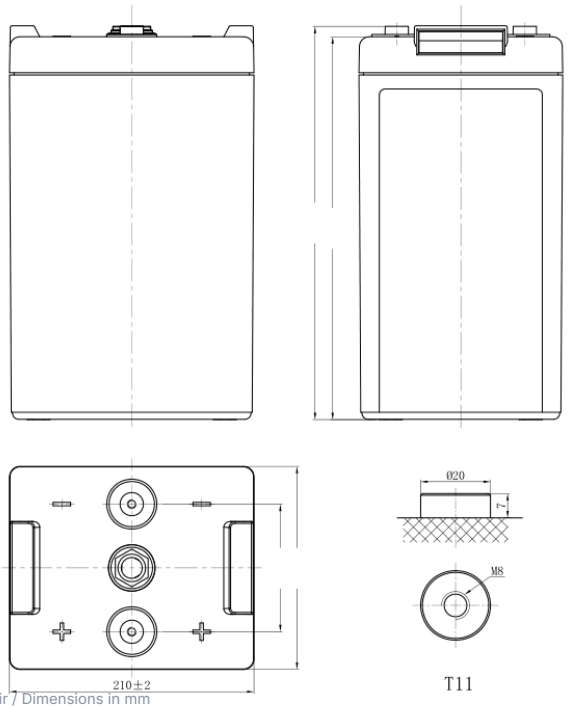
TEKNİK ÖZELLİKLER
CHARACTERISTICS · ELECTRICAL / MECHANICAL / OPERATING

Nominal gerilim Rated voltage		**2V**
Nominal kapasite (25°C) Nominal capacity (25°C)	C10,1.80V/cell	**400Ah**
Boyutlar Dimensions	Uzunluk Length	**210mm (8.27inches)**
	Genişlik Width	**175mm (6.89inches)**
	Kutu yüksekliği Container height	**330mm (13.0inches)**
	Toplam yükseklik Total height	**339mm (13.3inches)**
Yaklaşık ağırlık Approx. weight		**25.5kg (56.2lbs)**
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		**5200A**
İç direnç (25°C) Internal resistance (25°C)		**Yaklaşık 0.6 mΩ (tam şarjlı)** Approx. 0.6 mΩ (fully charged)
Çalışma sıcaklığı aralığı Operating temp. range	Deşarj Discharge	**-20~55°C (-4~131°F)**
	Şarj Charge	**-20~40°C (-4~104°F)**
	Depolama Storage	**-20~50°C (-4~122°F)**

Nominal çalışma sıcaklığı Nominal operating temp. range		**25±3°C (77±5°F)**
Maks. şarj akımı (25°C) Max. charging current (25°C)		**0.25C**
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 can be stored up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

SELÇUK ALEMDAR ENERJİ İTH. İHR. SAN. VE TİC. A.Ş.
☎ 0532 015 55 82 (Tel / WhatsApp) · ☎ 0216 771 95 39 · alemdarenerji.com

01 TEKNİK ÇİZİM / TECHNICAL DRAWING (mm)



Ölçüler mm'dir / Dimensions in mm

Uzunluk Length	Genişlik Width	Kutu yüksekliği Container height	Toplam yükseklik Total height
210mm	175mm	330mm	339mm

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	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1.85 V	300.2	271.4	252.0	220.1	192.7	123.1	93.6	75.3	63.5	55.2	44.8	37.5	20.1
1.80 V	372.6	330.1	289.4	246.1	213.2	133.9	101.3	81.2	68.4	59.2	48.0	40.0	21.2
1.75 V	411.0	348.0	302.8	256.1	221.1	138.0	104.0	83.2	70.0	60.4	48.9	40.6	21.5
1.70 V	457.4	389.6	322.4	265.9	229.2	142.4	107.0	85.3	71.6	61.7	49.7	41.3	21.7
1.67 V	473.5	403.1	331.3	271.8	234.0	144.8	108.7	86.5	72.5	62.4	50.3	41.6	21.9
1.60 V	497.3	420.1	337.5	285.9	245.4	150.8	112.7	89.4	74.7	64.2	51.4	42.5	22.3

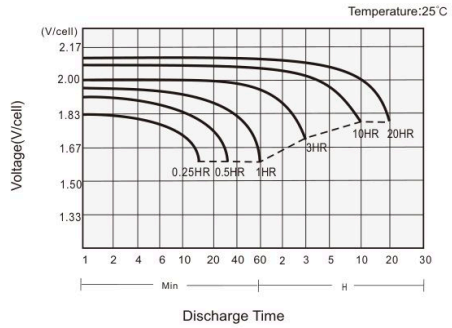
Sabit güç deşarjı (W/hücre, 25°C) / Constant power discharge (W/cell, 25°C)

Son ger. / F.V.	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1.85 V	552.8	502.0	462.7	426.8	374.5	240.5	183.6	148.0	125.1	108.8	88.6	74.2	40.0
1.80 V	679.0	604.7	526.9	473.8	411.6	260.4	197.8	159.0	134.3	116.4	94.6	79.0	42.1
1.75 V	740.9	631.3	546.5	489.2	423.8	266.9	202.2	162.3	137.0	118.5	96.2	80.1	42.6
1.70 V	815.1	699.5	576.5	503.8	436.4	274.0	207.2	165.8	139.7	120.7	97.7	81.3	43.1
1.67 V	838.1	719.1	586.6	512.5	443.4	277.6	209.7	167.7	141.1	121.9	98.6	81.9	43.4
1.60 V	864.7	737.4	592.3	533.3	460.6	287.0	216.1	172.4	144.8	124.8	100.6	83.4	44.2

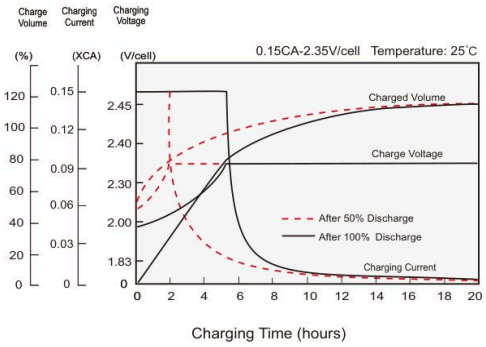
F.V. = son gerilim (V/hücre) / final voltage (V/cell) · min = dakika, h = saat / minutes, hours

03 PERFORMANS EĞRİLERİ / PERFORMANCE CURVES

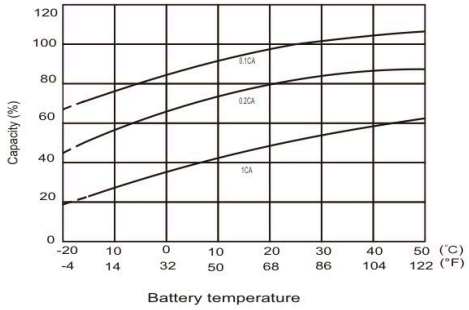
DEŞARJ KARAKTERİSTİKLERİ
DISCHARGE CHARACTERISTICS



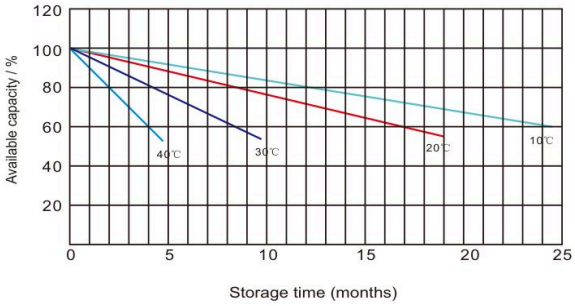
ŞARJ KARAKTERİSTİKLERİ
CHARGING CHARACTERISTICS



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**
  Telecommunications
- **Kesintisiz güç kaynağı (UPS)**
  Uninterruptible power system
- **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.

GENEL ÖZELLİKLER / GENERAL FEATURES

- **16 yıl tasarım ömrü (25°C)**
  16 years design life (25°C)
- **Kanıtlanmış AGM-JEL teknolojisi**
  Proven AGM-GEL technology
- **Derin deşarjdan mükemmel toparlanma ve çevrim kabiliyeti**
  Excellent deep discharge recovery and cyclability
- **Çok az bakım: su ilavesi gerekmez**
  Very low maintenance: no water addition
- **Düşük kendiliğinden deşarj oranı**
  Low self-discharge rate

STANDARTLAR / STANDARDS

- **IEC 60896 sertifikalı**
  IEC60896 Certified
- **Eurobat'a göre "Çok Uzun Ömürlü" sınıfındadır**
  Classified as "Very Long Life" according to Eurobat
- **UL, CE onaylı**
  UL, CE approved

05 JEL VRLA TEKNOLOJİSİ / GEL VRLA TECHNOLOGY

Jel teknolojisinde elektrolit, silika ile jel hâline getirilerek plakalar arasında sabitlenir. Valf regülasyonlu (VRLA) kapalı yapı sızdırmaz ve bakım gerektirmez; derin deşarj ve çevrimli kullanımda yüksek dayanım sağlar.

In gel technology the electrolyte is immobilised as a silica gel between the plates. The sealed valve-regulated (VRLA) design is spill-proof and maintenance-free and gives high resistance to deep discharge and cycling.

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.