

ENEL®

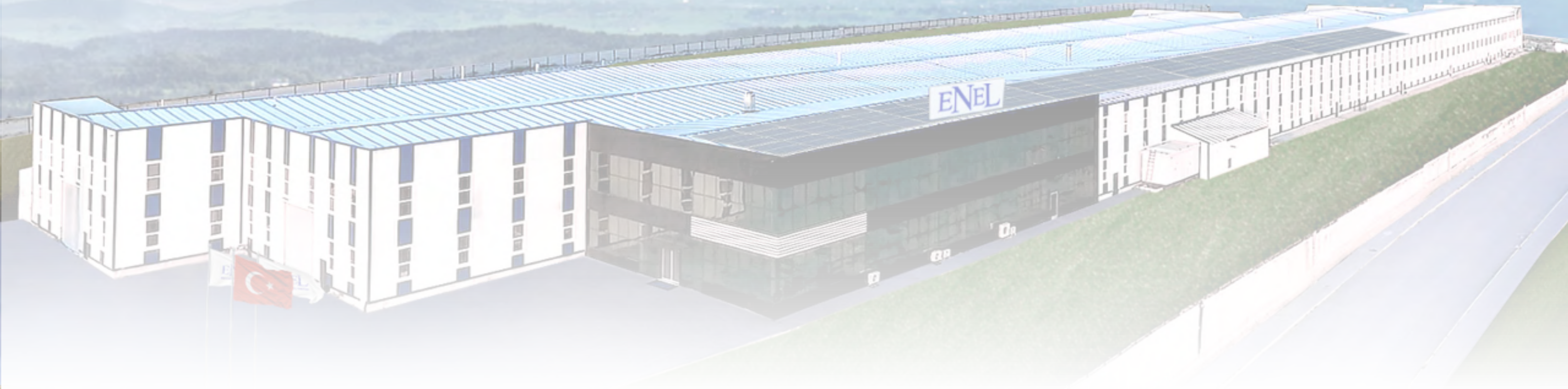


VRLA / AGM

BATTERY / AKÜ

UPS / MARINE / SOLAR

7Ah - 200Ah



444 1 856

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Merkez : Çatalmeşe Mah. 181. Sk. Kapı No:40 A Çekmeköy / İSTANBUL

Fabrika : Tavşanlı OSB. Kütahya Yolu 15. km 4. Cad.
No : 1 Tavşanlı / KÜTAHYA

ENELSystem™ CE ENEC



ENEL 35 YILI

ENEL®

ENELSystem™
7/24 Customer Services



ENEL 35 YIL

VRLA / AGM

BATTERY / AKÜ

UPS / MARINE / SOLAR

Türkiye'nin İlk %100 YERLİ Üretim VRLA AGM Akü Sistemleri



12V / 7Ah-200Ah

Detaylı Bilgi İçin

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KULLANIM
KILAVUZU



TSE-EN 60896-21/22

Firma Kodu : 197



Specification

Nominal Voltage	12V	
Nominal Capacity	50.0Ah	
Dimension	Length	196±2mm (7.71 inches)
	Width	165±2mm (6.49 inches)
	Container Height	176±2mm (6.92 inches)
	Total Height (with Terminal)	176±2mm (6.92 inches)
Approx Weight	Approx 14.5 kg (31.9lbs)	
Terminal	T6	
Container Material	ABS	
Rated Capacity	50.0Ah/2.50A	(20hr, 1.80V/cell, 25°C/77°F)
	48.1Ah/4.81A	(10hr, 1.80V/cell, 25°C/77°F)
	41.35Ah/8.27A	(5hr, 1.75V/cell, 25°C/77°F)
	37.5Ah/12.5A	(3hr, 1.75V/cell, 25°C/77°F)
	29.3Ah/29.3A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	600A (5s)	
Internal Resistance	Approx 8mΩ	
Operating Temp. Range	Discharge	-15°C (-5°F) - 50°C (122°F)
	Charge	0°C (32°F) - 45°C (113°F)
	Storage	-15°C (5°F) - 45°C (113°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 15.0A. Voltage 14.4V-15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage 13.5V-13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C	
Capacity Affected by Temperature	40 °C (104°F)	%103
	25 °C (77°F)	%100
	0 °C (32°F)	%86
Self Discharge	ENEL EN series batteries may be stored for 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.	



Applications

Uninterruptible Power Supply (UPS) systems, Emergency lighting, Rail signaling, Emergency backup power supply, and security systems, DC power supply for applications and equipment, Aircraft systems, Communication power supply, Auto control systems.

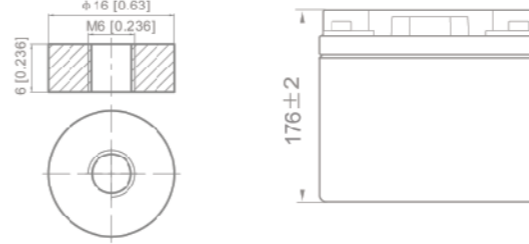
VRLA / UPS / AGM BATTERY



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Dimensions

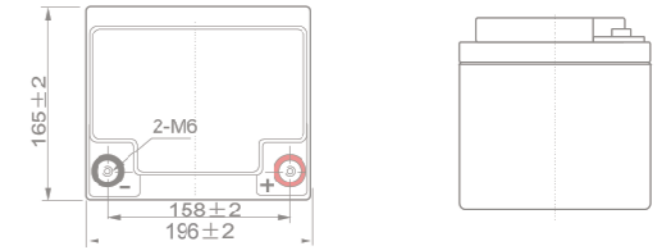
T6 Terminal
Unit: mm [inches]



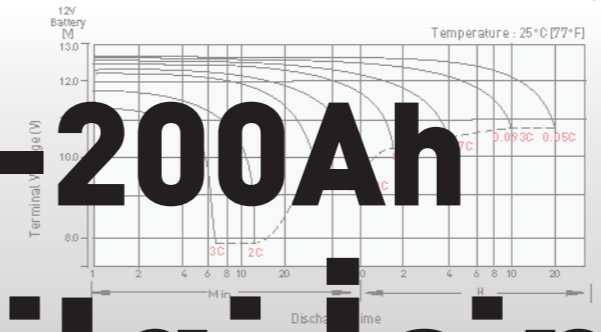
RECHARGE AFTER USE

DO NOT SHORT CIRCUIT

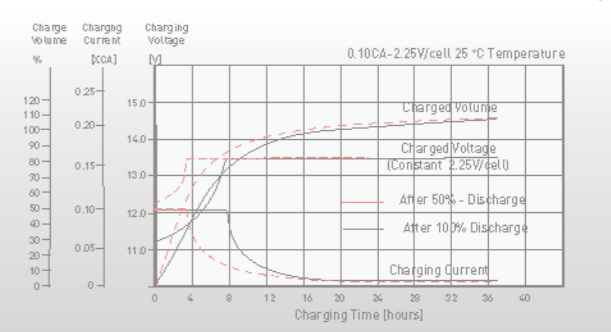
COMPANY CODE : 197



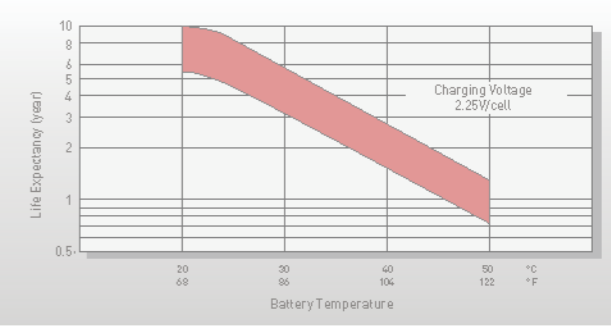
Discharge Characteristics



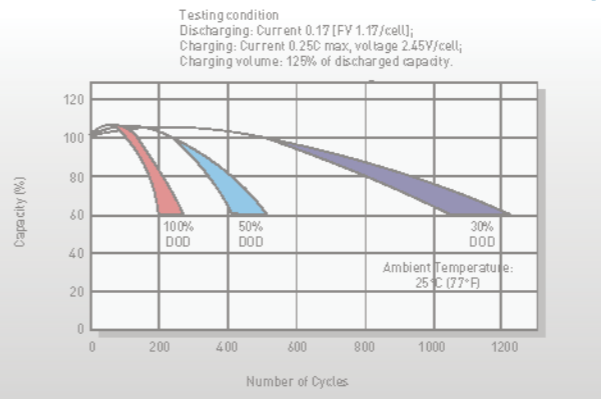
Float Charging Characteristics



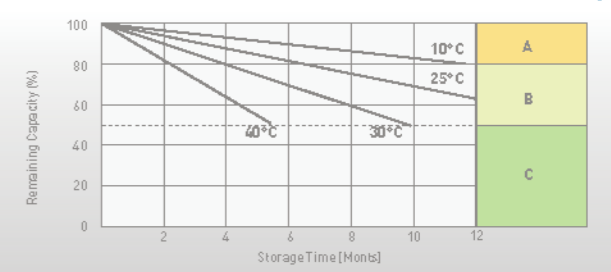
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



- A** No supplementary charge required (Carry out supplementary charge before use if 100% capacity is required)
- B** Supplementary charge required before use. Optional charging way as below:
 - 1) Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
 - 2) Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.
 - 3) Charged for 8-10 hours at limited current 0.05CA.
- C** Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this is reached.

Constant Current Discharge (Amperes) at 25 °C (77 ° F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	82.3	64.7	55.0	46.1	36.5	27.7	22.7	14.4	11.4	9.3	7.52	6.55	5.32	4.54	2.48
1.80V/cell	110.5	82.7	66.4	54.4	43.2	32.2	25.4	15.8	12.3	10.0	8.08	7.02	5.63	4.81	2.50
1.75V/cell	124.5	90.9	72.6	58.6	44.8	33.4	26.5	16.3	12.5	10.2	8.27	7.21	5.73	4.86	2.53
1.70V/cell	137.1	99.0	77.5	61.5	46.6	34.7	27.4	17.0	12.9	10.5	8.49	7.37	5.82	4.90	2.58
1.65V/cell	151.3	106.8	82.4	65.3	49.2	35.6	28.4	17.5	13.4	10.8	8.73	7.53	5.90	5.01	2.61
1.60V/cell	166.8	116.0	88.2	69.6	51.9	37.1	29.3	18.1	13.8	11.2	9.02	7.69	5.96	5.06	2.63

Constant Power Discharge (Watts/cell) at 25 °C (77 ° F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	150.5	119.5	102.7	86.7	69.7	53.2	43.8	28.1	22.2	18.3	14.7	12.9	10.5	8.98	4.90
1.80V/cell	199.8	150.9	122.4	101.1	81.0	61.4	48.8	30.4	23.8	19.3	15.8	13.8	11.1	9.50	4.94
1.75V/cell	220.5	163.2	132.0	107.6	83.4	63.1	50.8	31.4	24.1	19.7	16.1	14.0	11.3	9.59	4.99
1.70V/cell	236.1	173.8	138.9	112.3	86.3	65.4	52.1	32.6	24.8	20.2	16.4	14.3	11.4	9.71	5.08
1.65V/cell	256.6	185.9	146.6	118.4	90.3	66.4	53.6	33.3	25.7	20.9	16.9	14.6	11.5	9.81	5.13
1.60V/cell	276.4	197.1	154.2	124.7	94.7	68.8	55.1	34.2	26.3	21.4	17.4	14.9	11.6	9.90	5.16

Specifications subject to change without notice.

Contact Information

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