



AEC ITALY CATALOG 2023



WWW.AECUPS.COM

OZ POWER | 12V 40AH

AGM SEALED LEAD BATTERY



TECHNICAL SPECIFICATIONS	
CELL PER UNIT	6
NOMINAL VOLTAGE	12
NOMINAL CAPACITY	40Ah@20Hour rate F.V(1.75/cell)
WEIGHT	Approx. 12.60Kg
INTERNAL RESISTANCE	<10mΩ
TERMINAL TYPE	IT (M)
MAX DISCHARGE CURRENT	380A (5s)
DESIGN LIFE	10-12 Years
MAX CHARGE CURRENT	12A
STAND BY	13.5-13.8V
CYCLE USE	14.4-15V
AMBIENT TEMPERATURE	Discharge: -15°C~50°C Charge: 0°C~40°C Storage: -15°C~40°C
CONTAINER MATERIAL	ABS, UL94-HB & 94V-0



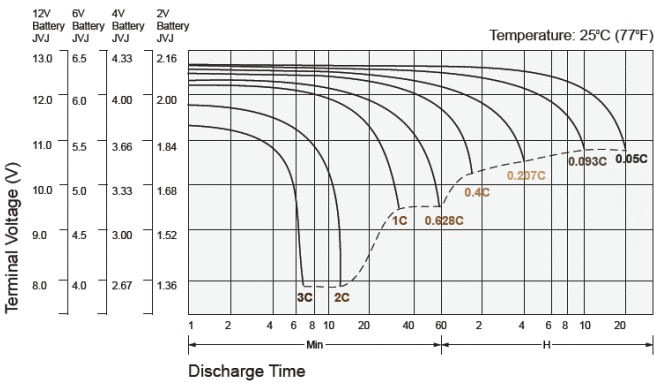
DIMENSIONS	
LENGTH	197±3 mm
WIDTH	166±1 mm
HEIGHT	170±1 mm
TOTAL HEIGHT	170±1 mm

The OZ 12V range is commonly used in many applications, especially the emergency power supply of UPS systems. The battery is designed and manufactured to guarantee the highest levels of performance in rapid discharges, while maintaining maximum reliability and durability over time. Based on proven AGM VRLA technology, the OZ battery is 99% recyclable at end of life. OZ 12V does not require any maintenance. In addition, the series is classified as non-dangerous goods and can be safely transported by truck, rail and air. The specific design has been optimized to reduce self-discharge during storage.

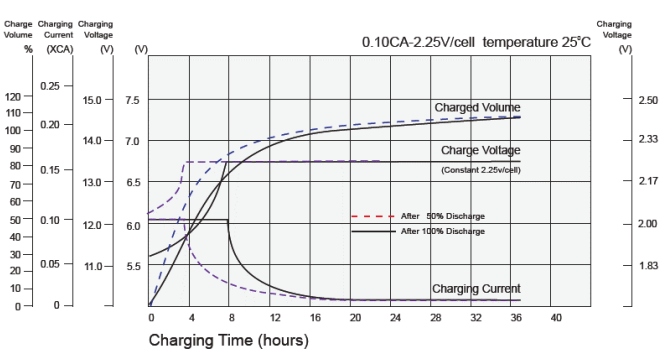
CONSTANT CURRENT DISCHARGE CHARACTERISTICS: A 25° C										
F.V/TIME	5 Min	15 Min	30 Min	60 Min	2 Hours	3 Hours	5 Hours	8 Hours	10 Hours	20 Hours
1.60V	171.0	81.0	40.9	24.6	13.9	10.10	7.13	5.35	3.90	2.14
1.67V	168.0	75.0	40.0	23.5	13.8	10.00	7.02	5.25	3.85	2.12
1.70V	157.0	72.0	38.9	22.7	13.5	9.62	6.98	5.10	3.81	2.07
1.75V	140.0	66.0	34.9	23.2	13.1	9.27	6.84	5.00	3.80	2.03
1.80V	103.0	61.2	30.7	22.5	12.6	9.17	6.68	4.90	3.80	1.95

CONSTANT POWER DISCHARGE CHARACTERISTICS: W 25°										
F.V/TIME	5 Min	15 Min	30 Min	60 Min	2 Hours	3 Hours	5 Hours	8 Hours	10 Hours	20 Hours
1.60V	1951	927.0	494.0	272.9	168.0	126.3	87.2	50.0	40.22	21.19
1.67V	1919	913.0	487.0	270.4	167.0	125.7	86.6	49.6	40.20	21.19
1.70V	1795	861.0	459.0	266.9	164.0	120.0	85.2	49.0	40.10	21.08
1.75V	1603	780.0	416.0	262.4	161.0	117.0	83.6	48.4	39.80	21.08
1.80V	1337	663.0	354.0	254.5	155.0	113.0	81.4	47.6	39.30	20.69

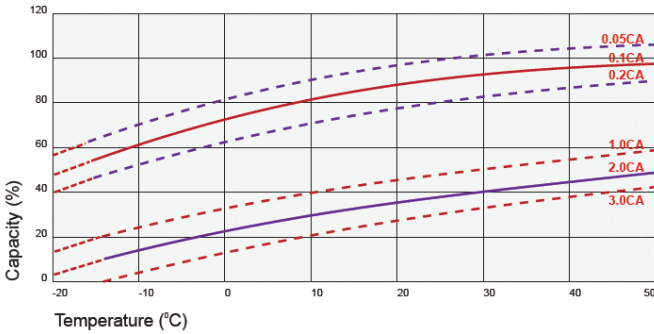
BATTERY DISCHARGE CHARACTERISTICS



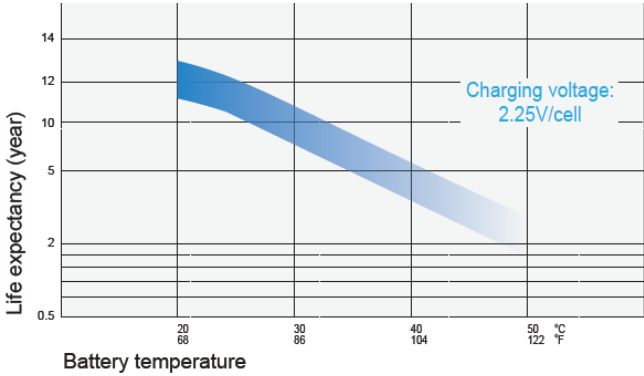
BATTERY CHARGE CHARACTERISTICS



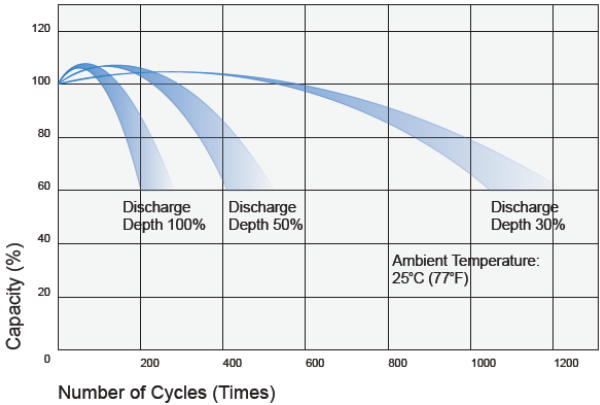
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



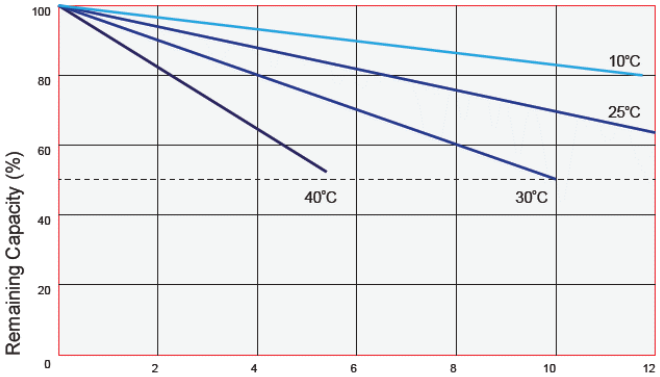
TEMPERATURE EFFECTS ON LONG TERM FLOAT LIFE



CYCLE SERVICE LIFE



SELF DISCHARGE CHARACTERISTICS



TECHNICAL SPECIFICATION

USE	CHARGE VOLTAGE V/CELL			MAX CHARGE CURRENT
	TEMP.	VALUE	RANGE	
CYCLE USE	25°C	2.45	2.40-2.50	0.25°C
STANDBY	25°C	2.275	2.25-2.30	



CONTACTS

Main office

+39 02 94158991

Mobile\WhatsApp

+39 3715547475

Web & Email

www.aecups.com

info@aecups.com

Head office address

Via Nerviano 55, 20045

Lainate, MI

Italia