



AEC ITALY CATALOG 2023



WWW.AECUPS.COM

OZ POWER | 12V 100AH

AGM SEALED LEAD BATTERY



TECHNICAL SPECIFICATIONS	
CELL PER UNIT	6
NOMINAL VOLTAGE	12
NOMINAL CAPACITY	100Ah@20Hour rate F.V(1.75/cell)
WEIGHT	Approx. 30Kg
INTERNAL RESISTANCE	5mΩ
TERMINAL TYPE	IT (M8)
MAX DISCHARGE CURRENT	1000A
DESIGN LIFE	10-12 Years
MAX CHARGE CURRENT	33A
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



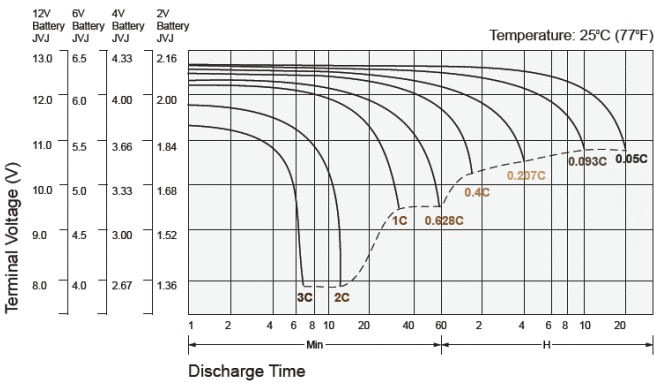
DIMENSIONS	
LENGTH	330±3 mm
WIDTH	173±2 mm
HEIGHT	216±3 mm
TOTAL HEIGHT	222±3 mm

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.

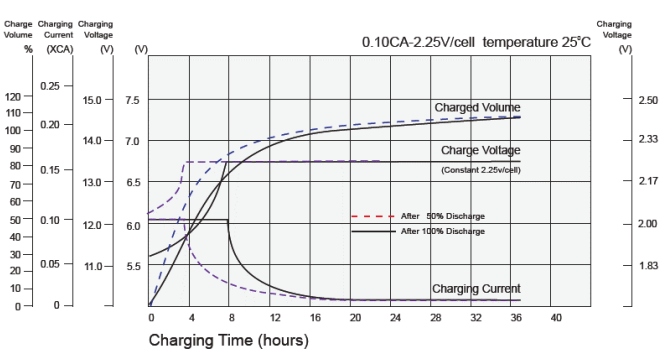
CONSTANT CURRENT DISCHARGE CHARACTERISTICS: A 25° C										
F.V/TIME	5 Min	10 Min	15 Min	30 Min	60 Min	2 Hours	3 Hours	5 Hours	10 Hours	20 Hours
1.60V	313.0	238.0	188.5	112.3	66.0	38.0	28.5	18.6	10.5	5.18
1.65V	304.0	230.	178.5	106.7	63.3	37.2	27.6	18.3	10.3	5.13
1.70V	297.0	225.0	165.1	101.8	62.4	35.5	26.0	17.9	10.2	5.11
1.75V	280.0	218.0	154.0	96.5	58.3	32.4	25.4	17.6	10.0	5.10
1.80V	257.0	211.0	143.7	92.1	52.6	29.2	24.6	17.2	9.65	5.05

CONSTANT POWER DISCHARGE CHARACTERISTICS: W 25°										
F.V/TIME	5 Min	10 Min	15 Min	30 Min	60 Min	2 Hours	3 Hours	5 Hours	10 Hours	20 Hours
1.60V	3216	2586	2100	1267.8	796.2	451.8	329.4	223.2	129.0	66.6
1.65V	3120	2520	2016	1228.8	774.0	446.4	324.0	220.8	128.4	66.0
1.70V	3054	2460	1921.2	1195.2	753.6	439.2	321.0	217.8	127.2	65.4
1.75V	2880	2400	1830	1165.8	732.6	432.6	316.2	214.2	126.6	65.4
1.80V	2640	2280	1668.6	1125.0	715.2	423.0	308.4	210.0	126.0	64.2

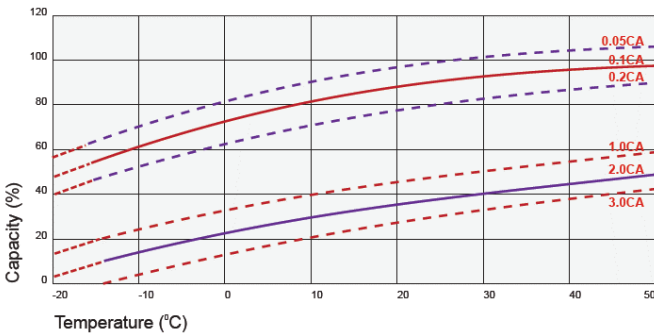
BATTERY DISCHARGE CHARACTERISTICS



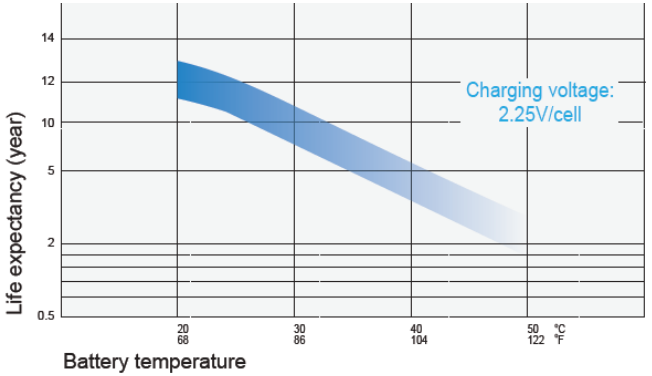
BATTERY CHARGE CHARACTERISTICS



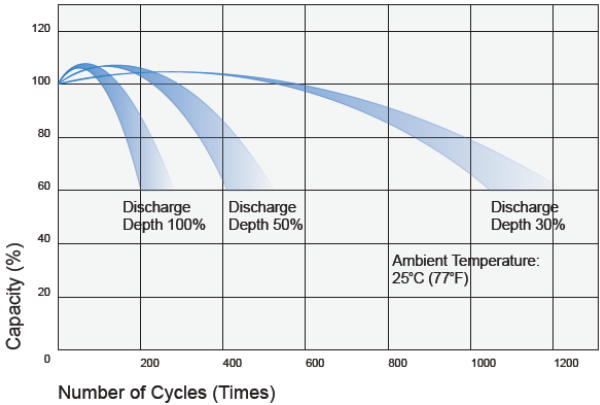
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



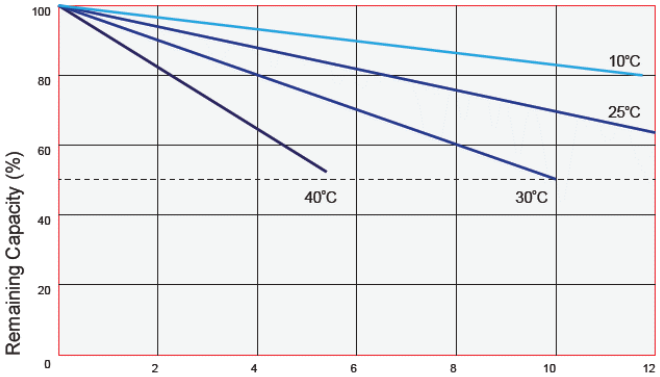
TEMPERATURE EFFECTS ON LONG TERM FLOAT LIFE



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