



AEC ITALY CATALOG 2023



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OZ POWER | 12V 80AH

AGM SEALED LEAD BATTERY



TECHNICAL SPECIFICATIONS	
CELL PER UNIT	6
NOMINAL VOLTAGE	12
NOMINAL CAPACITY	80Ah@20Hour rate F.V(1.75/cell)
WEIGHT	Approx. 22.50Kg
INTERNAL RESISTANCE	6.6mΩ
TERMINAL TYPE	IT (M6)
MAX DISCHARGE CURRENT	700A
DESIGN LIFE	10-12 Years
MAX CHARGE CURRENT	22.5A
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



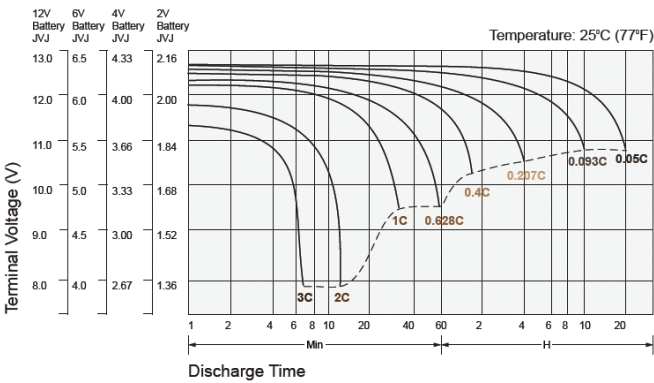
DIMENSIONS	
LENGTH	259±2 mm
WIDTH	168±1 mm
HEIGHT	208±1 mm
TOTAL HEIGHT	212±1 mm

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.

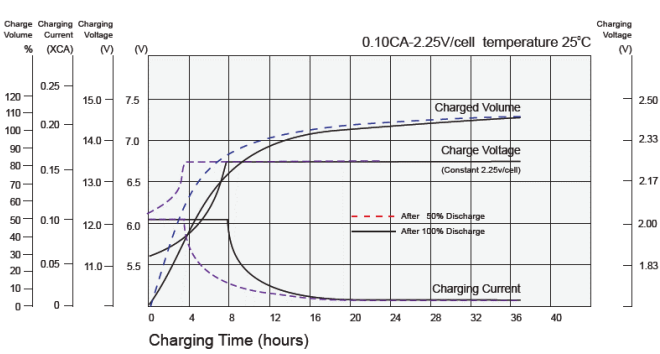
CONSTANT CURRENT DISCHARGE CHARACTERISTICS: A 25° C										
F.V/TIME	5 Min	15 Min	30 Min	60 Min	2 Hours	3 Hours	5 Hours	8 Hours	10 Hours	20 Hours
1.60V	240.0	142.2	85.8	50.2	28.9	22.0	14.3	9.35	7.74	4.10
1.67V	222.0	135.3	85.0	47.5	27.8	21.6	14.2	9.30	7.66	4.08
1.70V	205.0	119.6	84.4	46.9	27.6	21.3	14.0	9.20	7.51	4.02
1.75V	195.0	105.9	82.7	45.3	26.8	20.8	13.9	9.08	7.50	4.00
1.80V	180.0	102.0	80.3	43.4	25.6	20.2	13.5	8.99	7.35	3.82

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	2520	1488	960	576.0	330.0	241.2	161.4	108.0	90.60	45.32
1.67V	2430	1452	930	565.2	322.8	235.2	160.2	106.2	88.20	45.32
1.70V	2268	1428	876	546.0	315.6	234.0	159.0	103.8	86.40	45.23
1.75V	2136	1350	858	525.0	307.2	231.6	157.2	103.2	85.20	45.00
1.80V	2046	1290	852	511.2	298.8	228.0	155.4	100.8	82.80	44.10

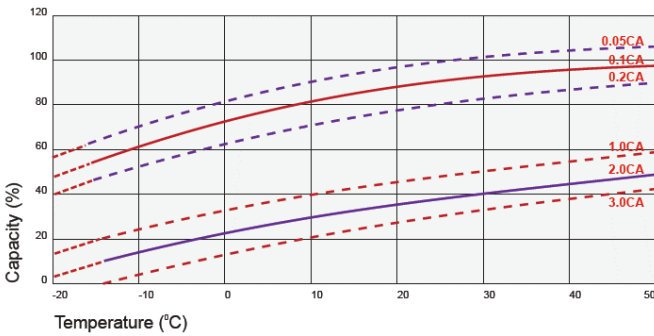
BATTERY DISCHARGE CHARACTERISTICS



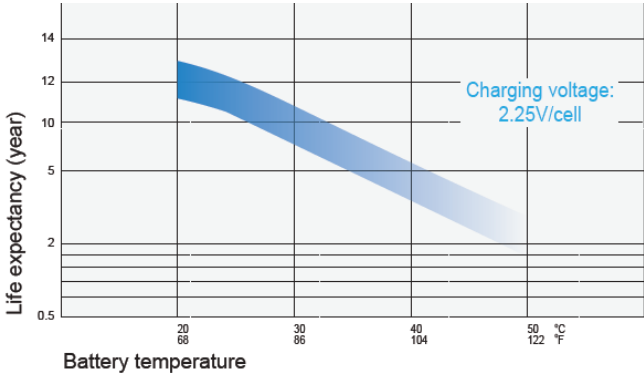
BATTERY CHARGE CHARACTERISTICS



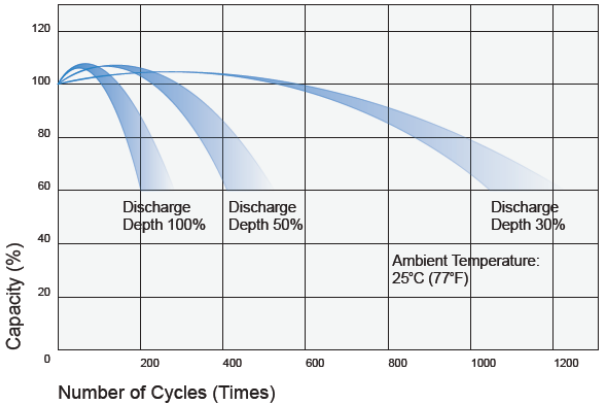
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



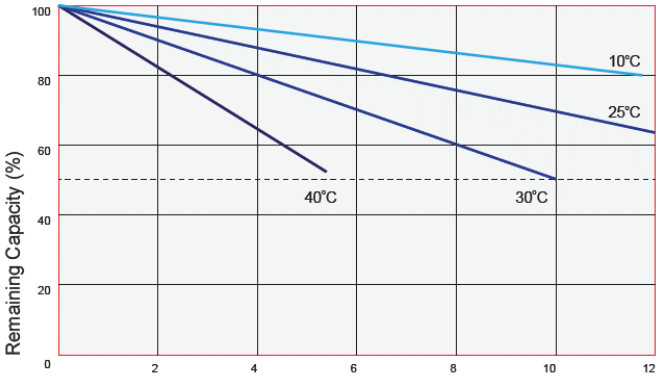
TEMPERATURE EFFECTS ON LONG TERM FLOAT LIFE



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	



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