



AEC ITALY CATALOG 2023



OZ POWER | 12V 60AH

AGM SEALED LEAD BATTERY



TECHNICAL SPECIFICATIONS	
CELL PER UNIT	6
NOMINAL VOLTAGE	12
NOMINAL CAPACITY	60Ah@20Hour rate F.V(1.75/cell)
WEIGHT	Approx. 16.50Kg
INTERNAL RESISTANCE	8mΩ
TERMINAL TYPE	IT (M6)
MAX DISCHARGE CURRENT	500A
DESIGN LIFE	10-12 Years
MAX CHARGE CURRENT	15A
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



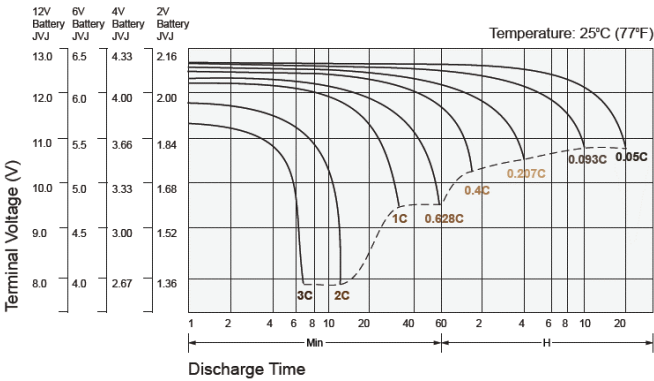
DIMENSIONS	
LENGTH	230±1 mm
WIDTH	138±1 mm
HEIGHT	211±1 mm
TOTAL HEIGHT	216±1 mm

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.

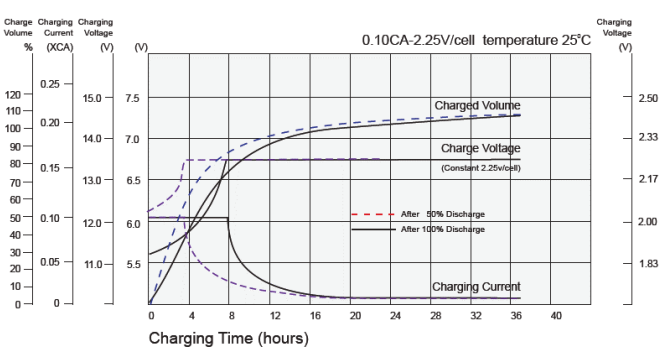
CONSTANT CURRENT DISCHARGE CHARACTERISTICS: A 25° C										
F.V/TIME	5 Min	15 Min	30 Min	60 Min	2 Hours	3 Hours	5 Hours	8 Hours	10 Hours	20 Hours
1.60V	190.0	100.0	59.4	33.6	20.7	15.80	10.30	6.82	5.73	3.12
1.65V	173.0	94.0	56.3	32.4	20.0	15.30	9.98	6.75	5.72	3.10
1.70V	156.0	88.5	53.3	31.3	19.0	14.70	9.71	6.65	5.56	3.05
1.75V	142.0	83.1	51.3	30.4	18.7	14.30	9.46	6.56	5.50	3.00
1.80V	126.0	76.0	49.4	29.0	18.0	14.10	9.23	6.45	5.18	2.72

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	1898	1350	648.0	378.0	235.2	181.2	119.4	79.8	68.4	35.40
1.65V	1762	1272	618.0	367.2	228.6	176.4	115.8	79.2	67.8	35.28
1.70V	1620	1188	588.0	358.2	223.8	170.4	113.4	78.0	66.6	34.86
1.75V	1512	1116	572.4	348.0	215.4	165.6	110.4	77.4	66.0	34.20
1.80V	1368	1032	556.2	334.2	208.8	150.0	108.0	76.2	65.4	33.96

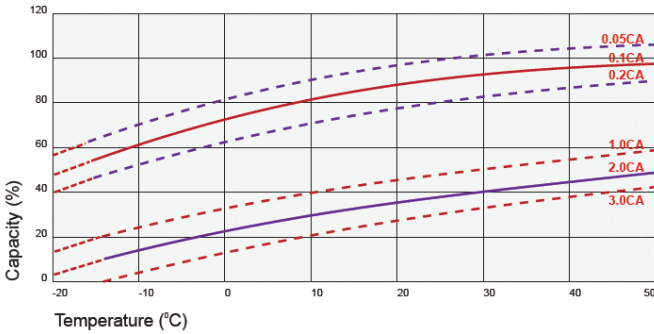
BATTERY DISCHARGE CHARACTERISTICS



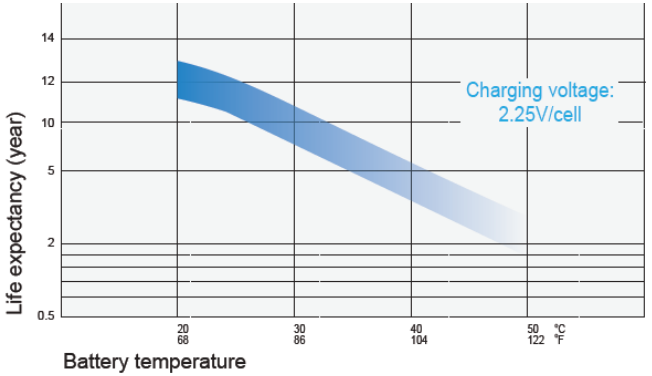
BATTERY CHARGE CHARACTERISTICS



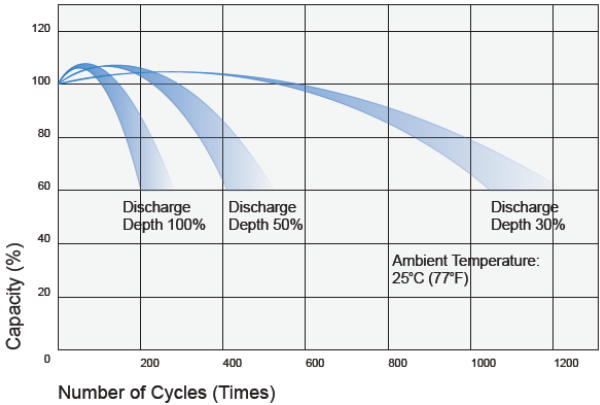
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



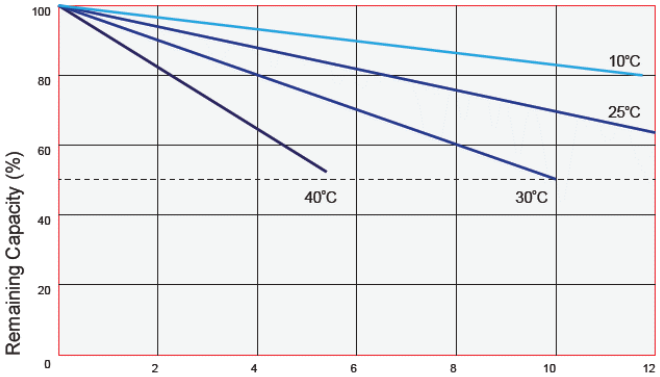
TEMPERATURE EFFECTS ON LONG TERM FLOAT LIFE



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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