



AEC ITALY CATALOG 2023



OZ POWER | 12V 24AH

AGM SEALED LEAD BATTERY



TECHNICAL SPECIFICATIONS	
CELL PER UNIT	6
NOMINAL VOLTAGE	12
NOMINAL CAPACITY	24Ah@20Hour rate F.V(1.75/cell)
WEIGHT	Approx. 8.0Kg
INTERNAL RESISTANCE	<12mΩ
TERMINAL TYPE	IT (F12)
MAX DISCHARGE CURRENT	375A (5s)
DESIGN LIFE	8-10 Years
MAX CHARGE CURRENT	7.8A
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



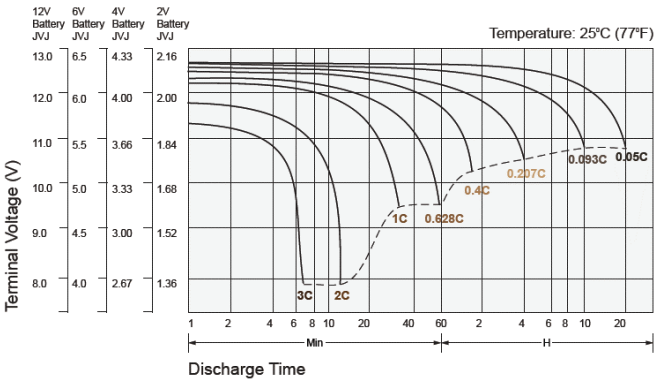
DIMENSIONS	
LENGTH	166±2 mm
WIDTH	175±2 mm
HEIGHT	125±2 mm
TOTAL HEIGHT	125±2 mm

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.

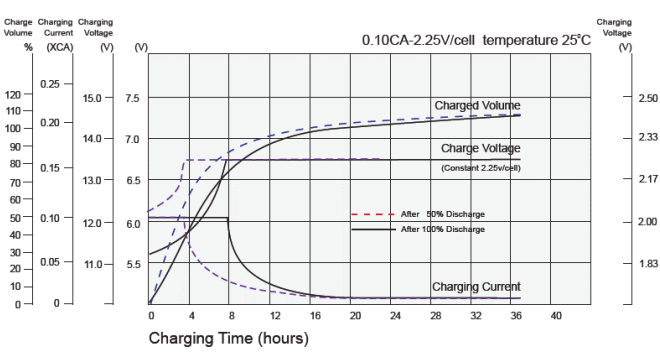
CONSTANT CURRENT DISCHARGE CHARACTERISTICS: A 25° C										
F.V/TIME	5 Min	15 Min	30 Min	60 Min	2 Hours	3 Hours	5 Hours	8 Hours	10 Hours	20 Hours
1.60V	99.41	46.76	28.53	15.39	9.41	6.88	4.56	3.04	2.50	1.36
1.65V	93.24	45.29	27.35	15.10	9.25	6.78	4.49	3.01	2.47	1.35
1.70V	86.08	43.92	24.80	14.31	9.07	6.66	4.43	2.97	2.45	1.34
1.75V	85.10	42.45	23.43	14.22	8.82	6.52	4.37	2.93	2.41	1.32
1.80V	75.39	38.63	21.86	14.02	8.53	6.35	4.31	2.88	2.38	1.30

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	1070.6	541.2	329.4	188.2	110.6	81.18	54.00	36.29	29.88	16.06
1.65V	1011.8	529.4	320.6	182.4	108.8	80.59	53.53	36.06	29.71	15.98
1.70V	947.1	505.9	311.8	179.4	107.4	78.82	52.88	35.71	29.41	15.88
1.75V	862.7	483.3	300.0	174.1	105.1	77.65	52.18	35.29	29.40	15.71
1.80V	776.5	454.9	287.3	171.6	103.1	75.88	51.29	34.82	28.63	15.49

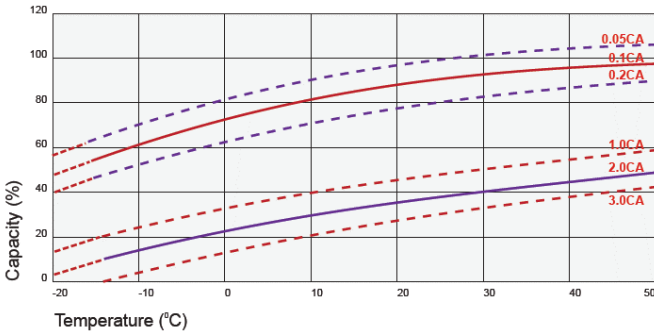
BATTERY DISCHARGE CHARACTERISTICS



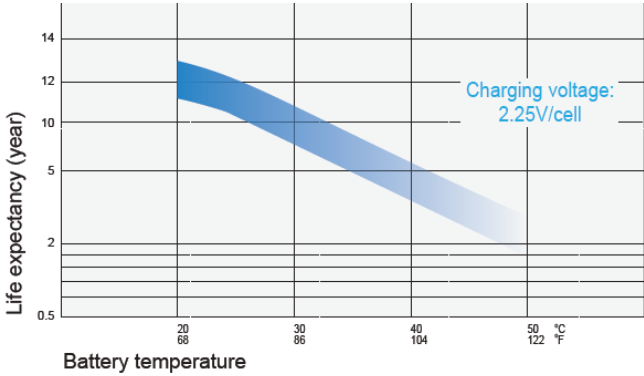
BATTERY CHARGE CHARACTERISTICS



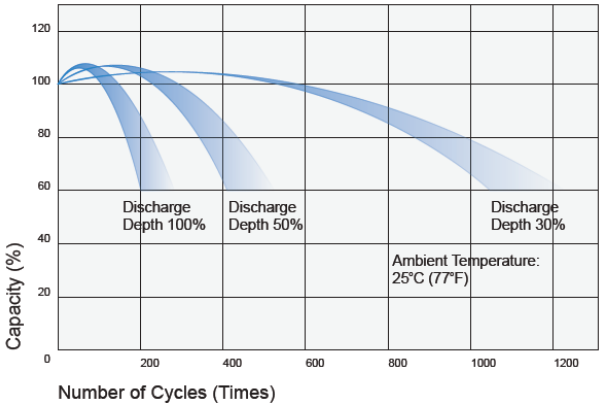
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



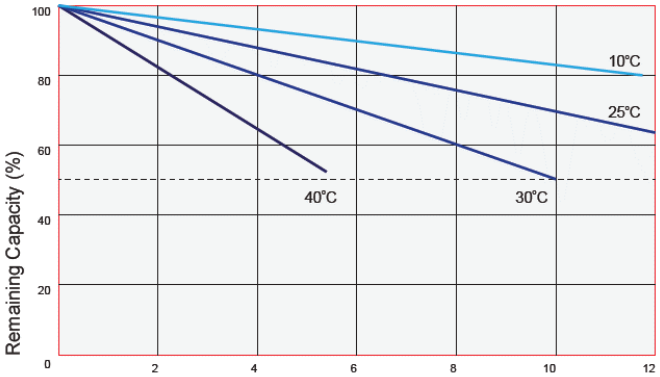
TEMPERATURE EFFECTS ON LONG TERM FLOAT LIFE



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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