



CHARACTERISTICS



Free maintenance batteries.

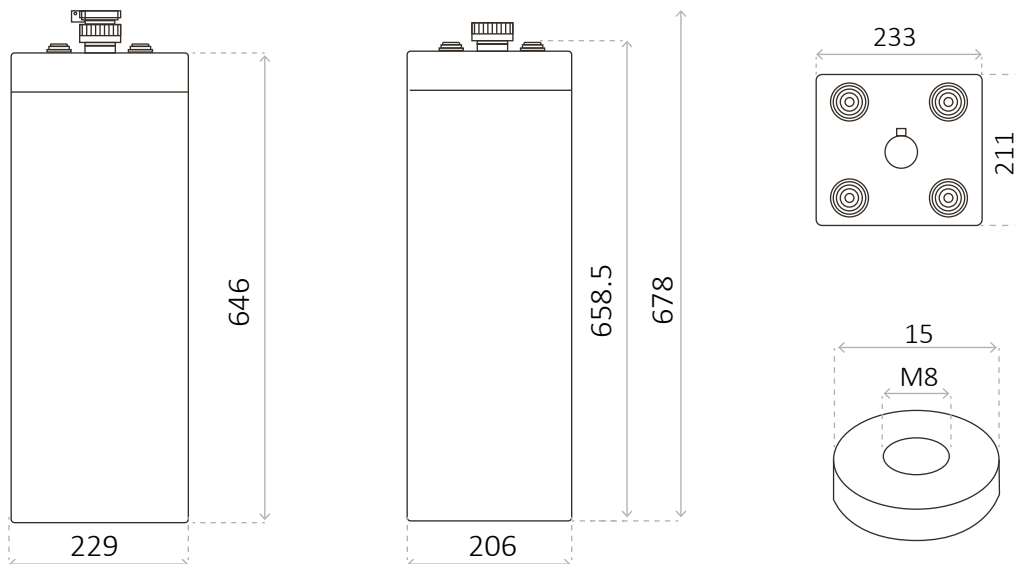


18+ years design life due to its tubular gel technology.



Perfect to use as accumulator in photovoltaic installations.

DIMENSIONS



2V GEL BATTERY

10 OPzV 1000 2V 1380Ah C100

2V GEL SERIES BATTERY

OPzV range battery adopts traditional tubular gel technology, patent gel electrolyte. The products are used as standby power for communication, power, military and broadcast and television system.

They possess precise ABS heat seal technology between container and lid and patented post seal structure. Provide better deep cycle performance versus AGM. The design float life is 18+ years.



TECHNICAL SPECIFICATIONS

NOMINAL VOLTAGE (V)	2
NOMINAL CAPACITY (20°C)	1380 Ah @ C120 (to 1.80 Vpc)
DIMENSIONS	(LxWxH) 233x211x678 mm
APPROX. WEIGHT	78 Kg
INTERNAL RESISTANCE	Approx. 0.238mOhm
SELF DISCHARGE	The residual capacity is above 94% after 90 days storage (25°C)
OPERATING TEMPERATURE RANGE	Maximum: -40~55°C Recommended: 15~25°C Storage: -20~40°C
FLOAT VOLTAGE	2.23V/cell@25°C
CHARGE CURRENT	100A (Recommendation) 250A (Maximum)
EQUALIZE AND CYCLE SERVICE	2.35~2.40V/cell@25°C
CONTAINER MATERIAL	ABS
TERMINAL TYPE	Female Cooper M8 (Torque 15±1Nm)

BATTERY DISCHARGE TABLE

DISCHARGE DATA WITH CONSTANT CURRENT UNITS: AMPERES (25°C)

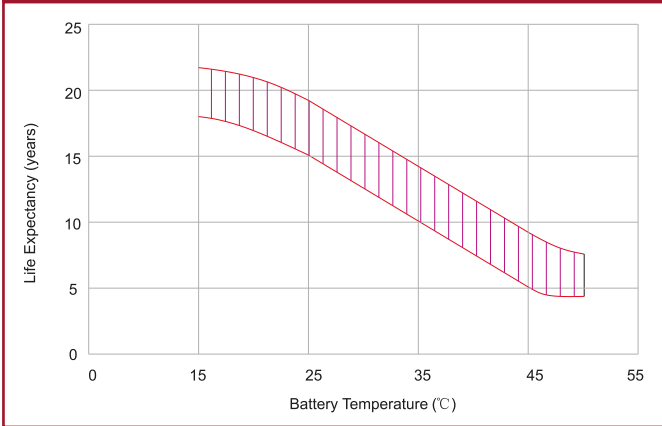
TIME	15 min	30 min	60 min	2 hr	3 hr	4 hr	5 hr	6 hr	8 hr	10 hr	16 hr	24 hr	48 hr	100 hr
1.60	1088.00	869.00	595.00	369.00	266.00	211.00	181.00	159.20	128.30	105.20	67.90	47.10	25.90	14.50
1.65	1050.00	840.00	581.00	362.00	262.00	209.00	179.10	157.20	127.40	104.70	67.60	47.10	25.70	14.30
1.70	989.00	805.00	564.00	353.00	258.00	206.00	176.60	154.80	125.90	104.20	67.30	46.60	25.50	14.10
1.75	937.00	775.00	547.00	344.00	252.00	202.00	173.60	151.80	123.50	102.70	66.30	45.70	25.20	13.70
1.80	827.00	709.00	521.00	331.00	247.00	198.00	169.60	147.80	120.50	100.00	64.20	44.70	24.70	13.30
1.85	696.00	597.00	484.00	313.00	239.00	192.00	164.20	142.80	117.10	98.20	63.40	43.20	23.50	12.80
1.90	526.00	509.00	387.00	273.00	213.00	179.00	152.80	131.90	106.10	88.3	57.00	39.70	22.00	11.80

DISCHARGE DATA WITH CONSTANT CURRENT UNITS: WATTS PER CELL (25°C)

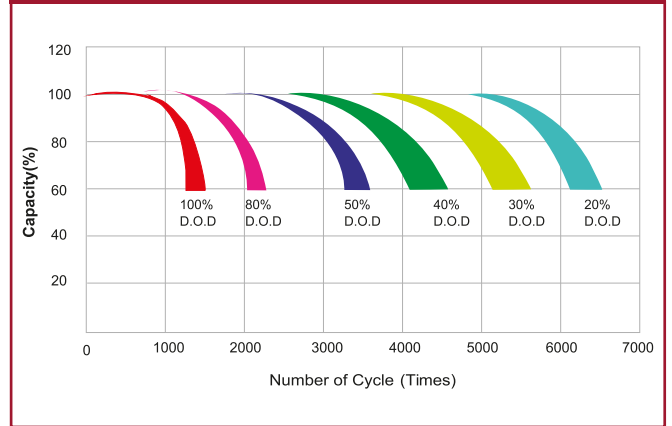
TIME	15 min	30 min	60 min	2 hr	3 hr	4 hr	5 hr	6 hr	8 hr	10 hr	16 hr	24 hr
1.60	2176.00	1723.00	1319.00	724.00	550.00	438.00	367.50	318.00	264.10	221.80	143.20	97.10
1.65	2072.00	1632.00	1227.00	719.00	547.00	435.00	365.00	316.00	262.30	220.30	142.20	96.40
1.70	1977.00	1557.00	1149.00	709.00	539.00	429.00	360.00	311.50	258.70	217.30	140.30	95.10
1.75	1872.00	1495.00	1081.00	689.00	526.00	412.00	347.20	306.00	254.40	213.30	137.70	93.70
1.80	1751.00	1435.00	1020.00	665.00	511.00	402.00	331.30	290.00	242.50	202.40	130.70	88.80
1.85	1638.00	1379.00	949.00	640.00	486.00	382.00	322.40	278.00	230.30	193.40	125.20	85.10
1.90	1531.00	1258.00	845.00	580.00	470.00	363.00	311.00	252.00	209.00	175.90	113.50	77.20

BATTERY CHARACTERISTICS

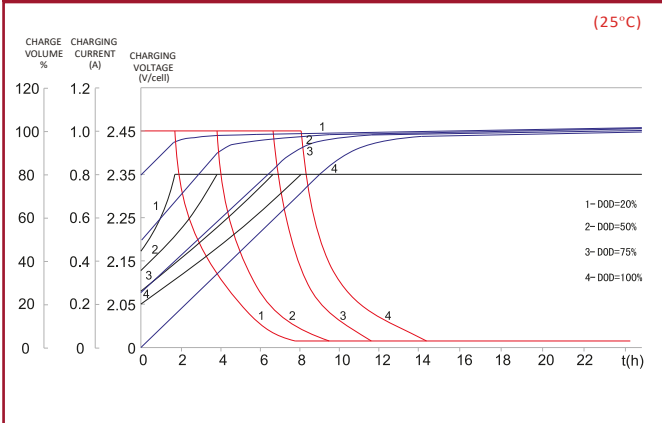
Effect of temperature on long term float life



Life characteristics of cyclic use



Charge characteristic curve for cyclic use



Discharge characteristic curve

