



Tubular Gel OPzV series



**-20°C~
+55°C**

TEMPERATURE
RANGE

**≤3%
per month
at 25°C**

SHELF
DISCHARGE

**3-5
Years***

WARRANTY

**Up to 20
years*
(25°C)**

DESIGN LIFE

*model
dependent

LEOCH Tubular Gel batteries, OPzV series, are Gel Valve-Regulated Lead-Acid batteries using tubular plates that have been optimized for cyclic applications. Engineered for long-life cyclic applications such as Renewable Energy Stations, OPzV batteries are manufactured in a wide variety and offer up to 20-year life design with high cyclic abilities.

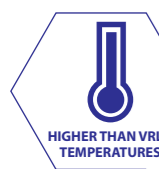
GENERAL FEATURES



Wide range including 2V cells, 12V top terminal and unique 12V front terminal blocks



Unique anti-explosion one-way vent valve design to minimize water loss and increase safety



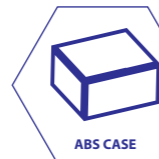
For cyclic applications offering up to 2000 cycles at 60% DoD (2V) or up to 1600 cycles at 60% DoD (12V)



Complete maintenance free design throughout the battery's life (in accordance to the provided product and user's manual)



Design life of up to 20 years



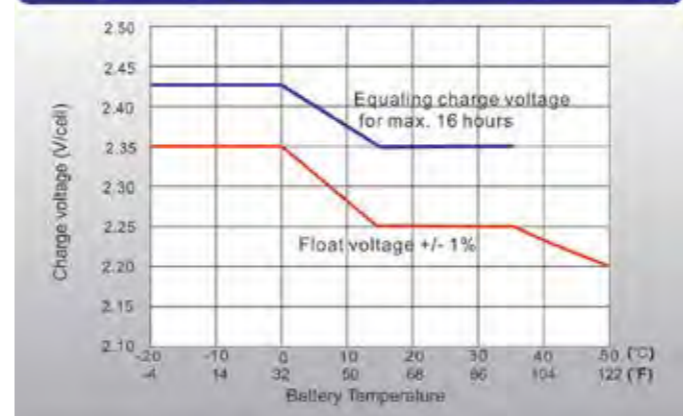
ABS case UL94-HB (UL94-V0 Optional) is used for increased container strength

BATTERY SPECIFICATIONS

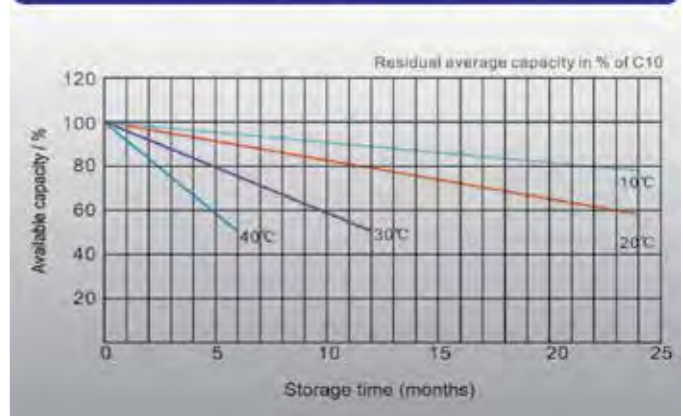
Model	Nominal Voltage (V)	Rated Capacity 10Hr @ 1.80V/cell (AH)	Approx. Dimensions								Approx. Weight		Terminal Type
			Length		Width		Height		Total Height		kg	lbs	
			mm	in.	mm	in.	mm	in.	mm	in.			
4 OPzV200	2	200	103.00	4.06	206.00	8.11	355.00	13.98	390.00	15.35	18.80	41.50	M8
5 OPzV250	2	250	124.00	4.88	206.00	8.11	355.00	13.98	390.00	15.35	22.40	49.40	M8
6 OPzV300	2	300	145.00	5.71	206.00	8.11	355.00	13.98	390.00	15.35	26.40	58.20	M8
5 OPzV350	2	350	124.00	4.88	206.00	8.11	471.00	18.54	506.00	19.92	29.00	63.90	M8
6 OPzV420	2	420	145.00	5.71	206.00	8.11	471.00	18.54	506.00	19.92	34.50	76.10	M8
7 OPzV490	2	490	166.00	6.54	206.00	8.11	471.00	18.54	506.00	19.92	39.00	86.00	M8
6 OPzV600	2	600	145.00	5.71	206.00	8.11	646.00	25.43	681.00	26.81	48.00	105.80	M8
8 OPzV800	2	800	191.00	7.52	210.00	8.27	646.00	25.43	681.00	26.81	65.10	143.50	M8
10 OPzV1000	2	1000	233.00	9.17	210.00	8.27	646.00	25.43	681.00	26.81	78.50	173.10	M8
12 OPzV1200	2	1200	275.00	10.83	210.00	8.27	646.00	25.43	681.00	26.81	93.00	205.10	M8
12 OPzV1500	2	1500	275.00	10.83	210.00	8.27	796.00	31.34	831.00	32.72	115.00	253.60	M8
16 OPzV2000	2	2000	399.00	15.71	214.00	8.27	772.00	30.39	807.00	31.77	155.00	341.80	M8
20 OPzV2500	2	2500	487.00	19.17	212.00	8.34	772.00	30.39	807.00	31.77	196.00	432.20	M8
24 OPzV3000	2	3000	576.00	22.68	212.00	8.34	772.00	30.39	807.00	31.77	232.00	511.50	M8
12V3OPzV100FT	12	100	551.00	21.69	110.00	4.33	274.00	10.79	287.00	11.30	41.10	90.60	M6
12V10OPzV200	12	200	522.00	20.55	268.00	14.49	220.00	8.66	226.00	8.90	70.50	155.40	M8

PERFORMANCE CHARACTERISTICS

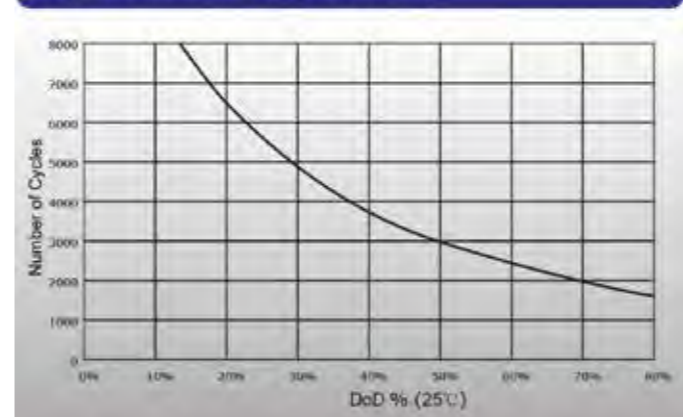
Charge voltage vs ambient temperature (2V & 12V)



General Relation of Capacity vs Storage Time (2V & 12V)



Cycle Life in Relation to DOD (2V)



Cycle Life in Relation to DOD (12V)

