



# Tubular Vented OPzS series



- TEMPERATURE RANGE**  
-15°C - +55°C
- SHELF LIFE**  
Up to 9 months at 20°C
- WARRANTY**  
3-5 years\*
- DESIGN LIFE**  
16-20 years (25°C)\*

\* Depending on the actual model

Leoch Tubular Vented batteries, OPzS series, are flooded Lead-Acid batteries using tubular plates that have been optimized for cyclic applications. Engineered for long life cyclic applications such as Renewable Energy Stations, Power Production and distribution, OPzS batteries are field proven designed for heavy duty cyclic applications.

## GENERAL FEATURES

**OPzS**  
OPzS TECHNOLOGY

OPzS technology - Ortsfest (stationary) PanZERplatte (tubular plate) Flüssig (flooded)



**DEPTH OF DISCHARGE**

Superior deep cycling performance offering more than 2000 cycles at 80% DoD (2V) and 1400 cycles at 80% DoD (12V)



**MAINTENANCE FREE**

Field proven, long-life non-maintenance free batteries with 2V, 6V and 12V versions available



**TRANSPARENT JAR**

Transparent jar for easy electrolyte level monitoring and maintenance



**LONG LIFE**

Design life of up to 20 years



**WIDE OPERATING TEMPERATURE**

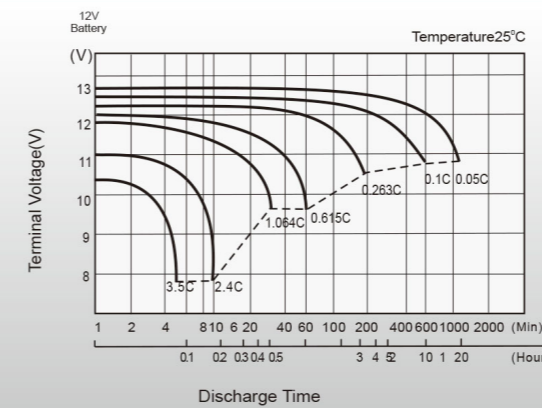
Wide operating temperature range from -15°C up to +55°C

## BATTERY SPECIFICATIONS

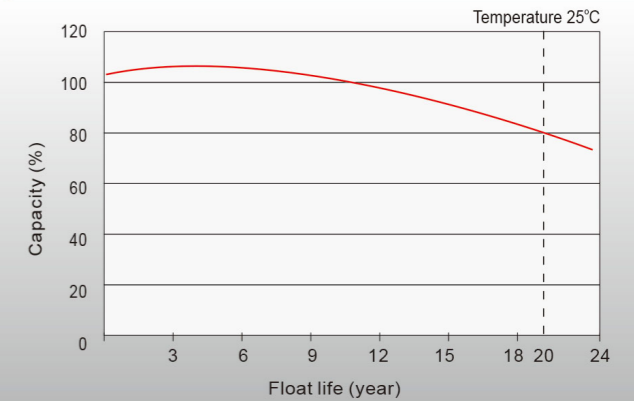
Model	Nominal Voltage (V)	Rated Capacity 10Hr @ 1.80V/cell (AH)	Approx. Dimensions								Approx. Weight				Terminal Type
			Length		Width		Height		Total Height		Dry		Wet		
			mm	in.	mm	in.	mm	in.	mm	in.	kg	lbs	kg	lbs	
20PzS100	2	100	103.00	40.55	206.00	81.10	355.00	139.76	410.00	161.42	8.10	17.86	13.20	29.10	M8
30PzS150	2	150	103.00	40.55	206.00	81.10	355.00	139.76	410.00	161.42	10.80	23.81	15.30	33.73	M8
4 OPzS200	2	200	103.00	40.55	206.00	81.10	355.00	139.76	410.00	161.42	12.90	28.44	17.40	38.36	M8
5 OPzS250	2	250	124.00	48.82	206.00	81.10	355.00	139.76	410.00	161.42	15.40	33.95	20.40	44.97	M8
6 OPzS300	2	300	145.00	57.09	206.00	81.10	355.00	139.76	410.00	161.42	18.50	40.79	24.50	54.01	M8
5 OPzS350	2	350	124.00	48.82	206.00	81.10	471.00	185.43	526.00	207.09	21.30	46.96	28.30	62.39	M8
6 OPzS420	2	420	145.00	57.09	206.00	81.10	471.00	185.43	526.00	207.09	24.50	54.01	32.70	72.09	M8
7 OPzS490	2	490	166.00	65.35	206.00	81.10	471.00	185.43	526.00	207.09	28.20	62.17	38.00	83.78	M8
6 OPzS600	2	600	145.00	57.09	206.00	81.10	646.00	254.33	701.00	275.98	33.40	73.63	45.40	100.09	M8
10 OPzS1000	2	1000	233.00	91.73	210.00	82.68	646.00	254.33	701.00	275.98	57.40	126.55	77.40	170.64	M8
12 OPzS1200	2	1200	275.00	108.27	210.00	82.68	646.00	254.33	701.00	275.98	67.70	149.25	91.70	202.16	M8
12 OPzS1500	2	1500	275.00	108.27	210.00	82.68	796.00	313.39	851.00	335.04	83.80	184.75	113.80	250.89	M8
24 OPzS3000	2	3000	576.00	226.77	212.00	83.46	772.00	303.94	827.00	325.59	164.80	363.32	224.80	495.60	M8
12V 2 OPzS100	2	100	272.00	107.09	205.00	80.71	337.00	132.68	384.00	151.18	38.50	84.88	48.70	107.36	M8
12V 3 OPzS150	6	150	381.00	150.00	205.00	80.71	337.00	132.68	384.00	151.18	53.00	116.84	67.40	148.59	M8

## PERFORMANCE CHARACTERISTICS

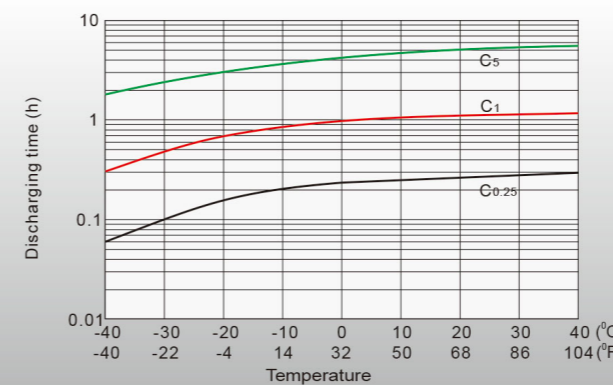
### Discharge Characteristics



### Float Life



### Temperature Effect on Discharging Time



### Float Charging Characteristics

