

# Sunlight OPzV Key Advantages

**Unstable power network or sensitive environment?**

OPzV batteries provide a premium, efficient and maintenance-free energy solution for **critical stand-by applications.**



**Maintenance-Free Operation**



**Long Design Life up to 18 Years**



**Operational Safety**



**Flexible installation Variants available for Vertical or Horizontal Installation**

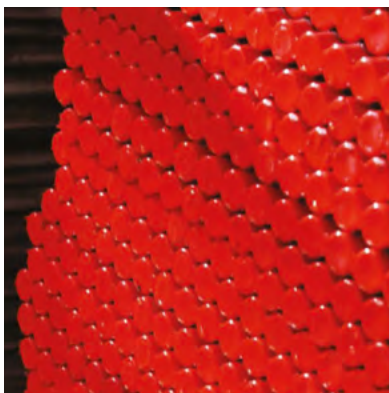


**Excellent Capacity Performance**



**Fully Recyclable Product Circular Economy Enabler**

## The Sunlight **Red Lead Advantage**



### Features

**99.99%** pure lead for Red Lead production

**100%** Red Lead in our positive plates through dry filling process

**100%** plates weight control and data statistical evaluation

### Benefits

**Longer life** span of batteries

**Full Capacity** within the first 3-5 cycles

**Minimized** self-discharge

**Sustained** performance throughout battery lifetime

## Batteries with GEL Electrolyte Main Characteristics

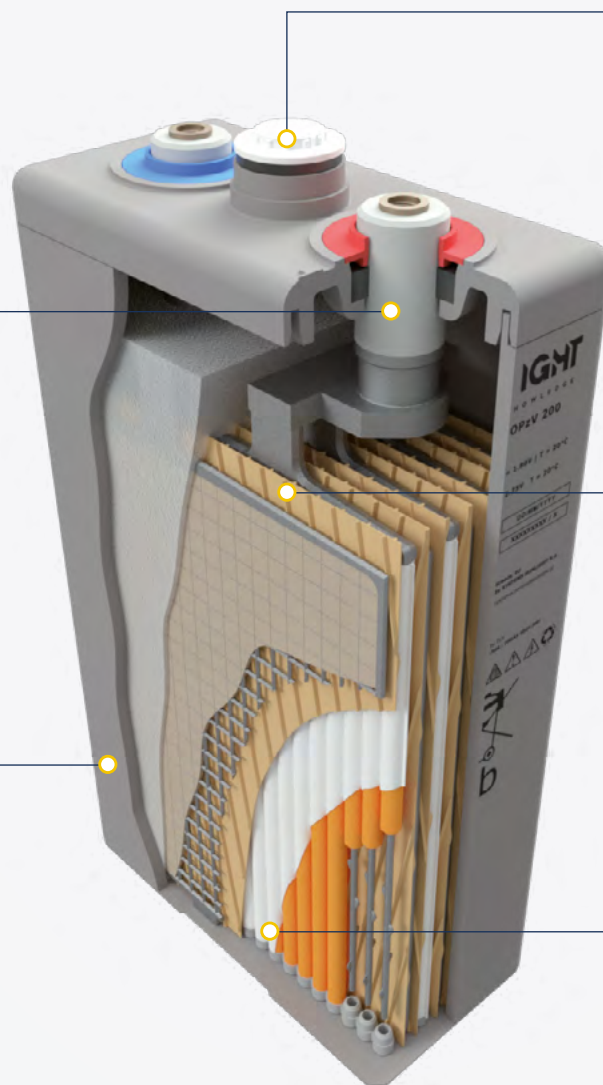
Valve Regulated lead-acid batteries with tubular plates and GEL electrolyte for stand-by applications



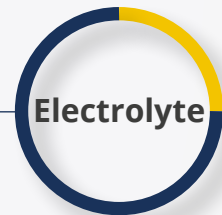
Premium sliding pole design for durability and perfect sealing



High impact resistant ABS, available also in flame retardant material (UL 94 V-0 rating)



Pressure relief valve with flame arrester for increased safety



In GEL form, for maintenance-free operation without watering needs



Performance and durability with ultrasonic welding of bottom bar

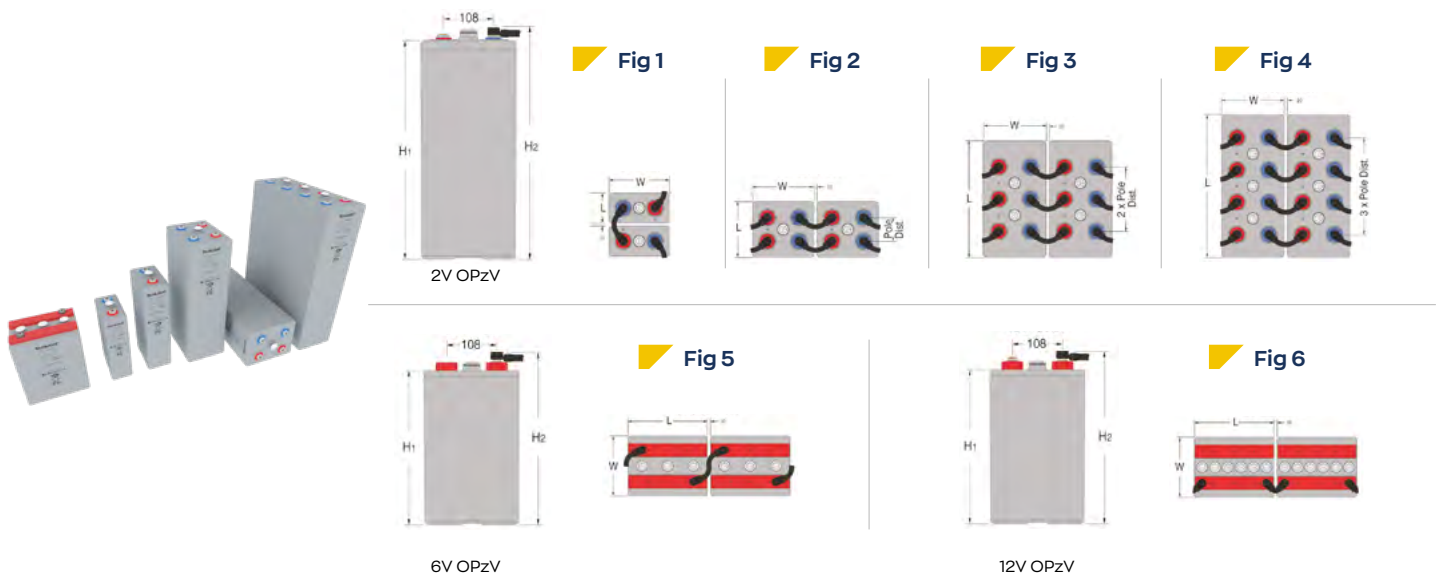
# Product Range

	Model	Voltage [V]	Rated Capacity at 20°C (68°F)			Dimensions				Weight	Terminal Details	
			C <sub>10</sub> / 1,80 V [Ah]	C <sub>8</sub> / 1,75 V [Ah]	C <sub>5</sub> / 1,75 V [Ah]	Length - L [mm (in)]	Width - W [mm (in)]	Height - h1 [mm (in)]	Height - h2 [mm (in)]	Wet [kg (lb)]	Number of Poles	Layout
<b>Cells</b>	2V 2 OPzV 100	2	122	119	108	103 (4.06)	206 (8.11)	354 (13.94)	382 (15.04)	13.6 (30.0)	2	Fig 1
	2V 3 OPzV 150	2	183	179	162	103 (4.06)	206 (8.11)	354 (13.94)	382 (15.04)	15.8 (34.8)	2	Fig 1
	2V 4 OPzV 200	2	244	239	216	103 (4.06)	206 (8.11)	354 (13.94)	382 (15.04)	18.2 (40.1)	2	Fig 1
	2V 5 OPzV 250	2	305	298	270	124 (4.88)	206 (8.11)	354 (13.94)	382 (15.04)	21.9 (48.3)	2	Fig 1
	2V 6 OPzV 300	2	366	358	324	145 (5.71)	206 (8.11)	354 (13.94)	382 (15.04)	25.9 (57.1)	2	Fig 1
	2V 5 OPzV 350	2	435	426	385	124 (4.88)	206 (8.11)	471 (18.54)	499 (19.65)	30.1 (66.4)	2	Fig 1
	2V 6 OPzV 420	2	522	512	463	145 (5.71)	206 (8.11)	471 (18.54)	499 (19.65)	35.6 (78.5)	2	Fig 1
	2V 7 OPzV 490	2	609	597	540	166 (6.54)	206 (8.11)	471 (18.54)	499 (19.65)	41.0 (90.4)	2	Fig 1
	2V 5 OPzV 500	2	625	615	552	145 (5.71)	206 (8.11)	643 (25.31)	671 (26.42)	43.9 (96.8)	2	Fig 1
	2V 6 OPzV 600	2	750	738	663	145 (5.71)	206 (8.11)	643 (25.31)	671 (26.42)	48.3 (106.5)	2	Fig 1
	2V 7 OPzV 700	2	875	859	773	191 (7.52)	210 (8.27)	644 (25.35)	672 (26.46)	61.1 (134.7)	4	Fig 2
	2V 8 OPzV 800	2	1000	982	884	191 (7.52)	210 (8.27)	644 (25.35)	672 (26.46)	65.5 (144.4)	4	Fig 2
	2V 9 OPzV 900	2	1125	1106	994	233 (9.17)	210 (8.27)	646 (25.43)	674 (26.54)	76.0 (167.6)	4	Fig 2
	2V 10 OPzV 1000	2	1250	1228	1105	233 (9.17)	210 (8.27)	646 (25.43)	674 (26.54)	80.4 (177.3)	4	Fig 2
	2V 11 OPzV 1100	2	1375	1353	1215	275 (10.83)	210 (8.27)	645 (25.39)	673 (26.50)	90.8 (200.2)	4	Fig 2
	2V 12 OPzV 1200	2	1500	1476	1326	275 (10.83)	210 (8.27)	645 (25.39)	673 (26.50)	95.3 (210.1)	4	Fig 2
	2V 11 OPzV 1375	2	1573	1550	1386	275 (10.83)	210 (8.27)	796 (31.34)	824 (32.44)	105.1 (231.7)	4	Fig 2
	2V 12 OPzV 1500	2	1716	1691	1512	275 (10.83)	210 (8.27)	796 (31.34)	824 (32.44)	110.2 (242.9)	4	Fig 2
	2V 14 OPzV 1750	2	2002	1972	1764	399 (15.71)	214 (8.43)	771 (30.35)	799 (31.46)	146.0 (321.9)	6	Fig 3
	2V 15 OPzV 1875	2	2145	2113	1890	399 (15.71)	214 (8.43)	771 (30.35)	799 (31.46)	151.1 (333.1)	6	Fig 3
2V 16 OPzV 2000	2	2288	2254	2016	399 (15.71)	214 (8.43)	771 (30.35)	799 (31.46)	156.2 (344.4)	6	Fig 3	
2V 18 OPzV 2250	2	2574	2531	2269	487 (19.17)	212 (8.35)	769 (30.28)	797 (31.38)	185.2 (408.3)	8	Fig 4	
2V 20 OPzV 2500	2	2860	2813	2521	487 (19.17)	212 (8.35)	769 (30.28)	797 (31.38)	195.3 (430.6)	8	Fig 4	
2V 22 OPzV 2750	2	3146	3101	2772	576 (22.68)	212 (8.35)	771 (30.35)	799 (31.46)	221.5 (488.3)	8	Fig 4	
2V 24 OPzV 3000	2	3432	3385	3023	576 (22.68)	212 (8.35)	771 (30.35)	799 (31.46)	231.6 (510.6)	8	Fig 4	
2V 26 OPzV 3250	2	3718	3672	3273	576 (22.68)	212 (8.35)	771 (30.35)	799 (31.46)	241.8 (533.1)	8	Fig 4	
<b>Blocks</b>	6V 4 OPzV 200	6	220	216	198	272 (10.71)	205 (8.07)	332 (13.07)	372 (14.65)	48.5 (106.9)	2	Fig 5
	6V 5 OPzV 250	6	275	271	248	380 (14.96)	205 (8.07)	332 (13.07)	372 (14.65)	62.9 (138.7)	2	Fig 5
	6V 6 OPzV 300	6	330	325	297	380 (14.96)	205 (8.07)	332 (13.07)	372 (14.65)	69.8 (153.9)	2	Fig 5
	12V 1 OPzV 50	12	54	53	49	272 (10.71)	205 (8.07)	332 (13.07)	372 (14.65)	42.2 (93.0)	2	Fig 6
	12V 2 OPzV 100	12	108	106	98	272 (10.71)	205 (8.07)	332 (13.07)	372 (14.65)	50.6 (111.6)	2	Fig 6
	12V 3 OPzV 150	12	162	159	146	380 (14.96)	205 (8.07)	332 (13.07)	372 (14.65)	71.8 (158.3)	2	Fig 6

Designed according to DIN 40742, 40744  
 All dimensions and weights shown are subject to manufacturing tolerances.  
 Vertical installation is the default installation for OPzV cells. For horizontal installation special 'OPzV HP' cells are also available upon customer request.

Height 2 (h2) includes installed connectors and bolts.  
 M10 Terminal type (applicable to all models).

## Terminal Layout



# Applications

## Developed For Stand-By Applications

Requiring High Level Of Safety And Reliability



UPS Systems

Grid - Ancillary Services



Power Generation & Utilities



Telecom Networks



Emergency Lighting




Traffic Signal Systems



IEC 60896-21/ IEC 60896-22/ IEC 62485-2  
DIN 40742/ DIN 40744/ DIN 43539 Part 5  
ISO 9001/ ISO 14001/ ISO 45001

**SUNLIGHT**  
POWER IS KNOWLEDGE



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