

OPzV: Sealed maintenance-free stationary batteries for solar applications

Sealed OPzV stationary batteries are developed for medium to large solar powered applications. They are applied solar and wind power stations, power distribution companies, telecommunications, railways and many other equipments.

Specific features: unique combination of 'Calcium/Calcium' technology, unique multifraction filling of positive tubular electrodes PLUDERTEC and VRLA-technology with gel electrolyte. Both electrodes (positive and negative) are made of patented lead-calcium-tin alloy providing long battery service life

Important advantages of "Ca/Ca" technology:

- higher corrosion resistance of electrodes
- overcharge resistance
- extra low self-discharge
- Completely Recyclable

Model range: 200-3000 Ah (C10)

Electrolyte: GEL

Container and lid: made of impact plastic that enables easy service and mechanical stability during all service life.

System of regulating valves: special plugs with regulating valve provide maintenance of overpressure inside the battery as well as recombination of oxygen produced during the process of operation and as a result – the absence of water loss

Pole terminal: sealed pole terminal for bolt M10

Connectors: flexible connectors FROETEK

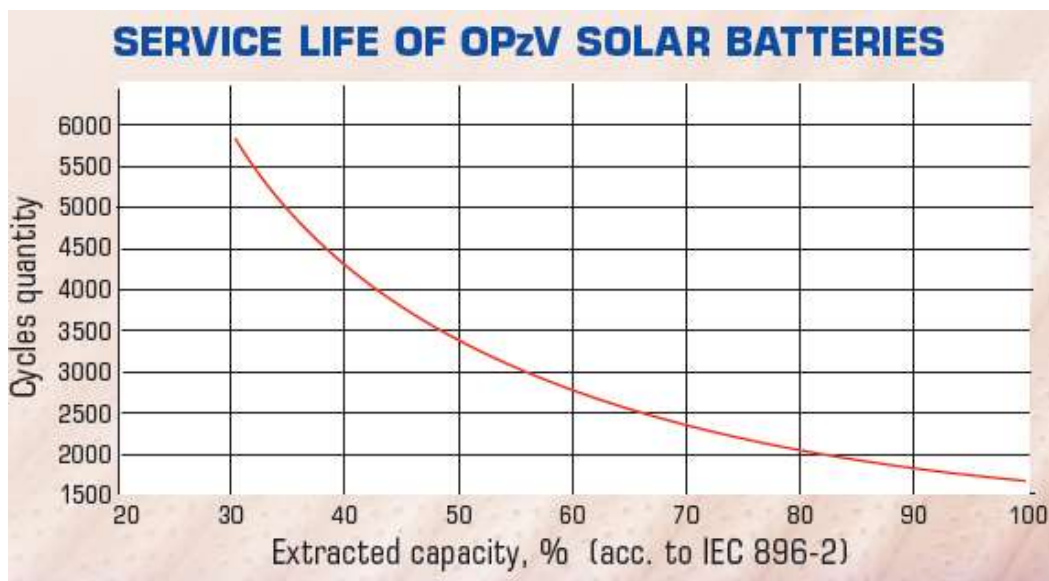
Temperature range: from -20 to +45°C (is preferable +20°C)

Installation: all standard installations in vertical position and on isolated racks are acceptable



DISCHARGE CHARACTERISTICS OF OPzV SOLAR BATTERIES

TYPE	C1 1.67 V/C	C3 1.75 V/C	C5 1.77 V/C	C10 1.80 V/C	C120 1.85 V/C
4 OPzV 200	108	151	175	200	294
5 OPzV 250	135	189	219	250	367
6 OPzV 300	162	227	263	300	440
5 OPzV 350	180	252	292	350	519
6 OPzV 420	225	315	365	420	623
7 OPzV 490	270	378	438	490	727
6 OPzV 600	324	454	526	600	848
8 OPzV 800	432	605	701	800	1131
10 OPzV 1000	540	756	876	1000	1413
12 OPzV 1200	600	990	990	1200	1695
12 OPzV 1500	750	1125	1241	1500	1959
16 OPzV 2000	1000	1500	1650	2000	2613
20 OPzV 2500	1250	1875	2065	2500	3266
24 OPzV 3000	1500	2250	2475	3000	3919



OPzV Stationary Gel batteries

Type	Nominal Voltage (V)	Capacity (C10) Ah	Dimensions	Weight (kg)
4OPzV 200	2	200	104X206X400	19,50
5OPzV 250	2	250	124X206X400	23,50
6OPzV 300	2	300	145X206X400	28,00
5OPzV 350	2	350	124X206X520	31,00
6OPzV 420	2	420	145X206X520	36,50
7OPzV 490	2	490	166X206X520	42,00
6OPzV 600	2	600	145X206X695	50,00
8OPzV 800	2	800	191X210X695	68,00
10OPzV 1000	2	1000	233X210X695	82,00
12OPzV 1200	2	1200	277X210X695	97,00
12OPzV 1500	2	1500	277X210X845	125,00
16OPzV 2000	2	2000	400X215X840	165,00
20OPzV 2500	2	2500	495X215X840	210,00
24OPzV 3000	2	3000	585X215X840	252,00

