Evolution® Batteries: Technical Data

GEL TECHNOLOGY

SUPERIOR. EFFICIENT. RELIABLE

HAWKER evolution®

The Evolution® battery range is maintenance-free over the whole operational life, which means water topping up is not required supporting your sustainability goals.

Evolution® is a valve regulated gas recombination battery with gelled electrolyte. This range is suitable for use in materials handling equipment in light and low duty applications. The gelled electrolyte of the Evolution® battery not only prevents any acid leakage, but also ensures that there is no stratification of the acid during cycling.

When paired with EnerSys® high-frequency (HF) chargers, a short and safe charging time of 8 hours at 60% Depth-of-Discharge (DoD) and 12 hours at 80% DoD can be achieved.

KEY BENEFITS

- **Maintenance free:** No water topping means a reduction in labour costs.
- **Productivity:** Recharge in just 8 hours* and experience energy cost savings of up to 30%.**
- **Low Risk:** No risk of spills using gelled electrolyte - ideal for use in sensitive environments.
- **Efficiency:** Minimal gas emissions means simplified and decentralized charging for lower costs.

SAFE & SPILL-FREE

Ideal for use in sensitive environments.

HIGH RELIABILITY

Integrated plug-and-play power systems with compatible components from one trusted supplier.

LOW RISK

System power and performance with ownership costs verified before purchase and a warranty you can count on.

UK CA CE

* At 60% Depth of Discharge (DoD)
** When used with EnerSys HF chargers

EnerSys® Power/Full Solutions

Evolution® Batteries: **DIN** Technical Data

Evolution® PzV-cells dimensions, with bolt-on connectors, according to DIN/EN 60254-2 and IEC 60254-2 Serie L standards

Cell designation	Nominal capacity	Length	Width	Overall height	Weight +/-5% with electrolyte
	5- hour Ah	mm	mm	mm	kg
2 PzV 84	84	47	198	305	6.9
3 PzV 126	126	65	198	305	9.7
4 PzV 168	168	83	198	305	12.4
5 PzV 210	210	101	198	305	15.3
6 PzV 252	252	119	198	305	18.1
7 PzV 294	294	137	198	305	20.9
8 PzV 336	336	155	198	305	23.7
2 PzV 120	120	47	198	370	8.9
3 PzV 180	180	65	198	370	12.6
4 PzV 240	240	83	198	370	16.3
5 PzV 300	300	101	198	370	20.0
6 PzV 360	360	119	198	370	23.7
7 PzV 420	420	137	198	370	27.4
8 PzV 480	480	155	198	370	31.1
2 PzV 150	150	47	198	435	10.5
3 PzV 225	225	65	198	435	14.9
4 PzV 300	300	83	198	435	19.3
5 PzV 375	375	101	198	435	23.7
6 PzV 450	450	119	198	435	28.1
7 PzV 525	525	137	198	435	32.5
8 PzV 600	600	155	198	435	36.9
2 PzV 174	174	47	198	505	12.5
3 PzV 261	261	65	198	505	18.0
4 PzV 348	348	83	198	505	23.2
5 PzV 435	435	101	198	505	28.5
6 PzV 522	522	119	198	505	33.8
7 PzV 609	609	137	198	505	39.0
8 PzV 696	696	155	198	505	44.4
2 PzV 190	190	47	198	541	13.6
3 PzV 285	285	65	198	541	19.4
4 PzV 380	380	83	198	541	25.2
5 PzV 475	475	101	198	541	31.0
6 PzV 570	570	119	198	541	36.9
7 PzV 665	665	137	198	541	42.6
8 PzV 760	760	155	198	541	48.5
2 PzV 220	220	47	198	600	15.1
3 PzV 330	330	65	198	600	21.6
4 PzV 440	440	83	198	600	27.9
5 PzV 550	550	101	198	600	34.3
6 PzV 660	660	119	198	600	40.8
7 PzV 770	770	137	198	600	47.1
8 PzV 880	880	155	198	600	53.6
2 PzV 250	250	47	198	715	19.8
3 PzV 375	375	65	198	715	27.6
4 PzV 500	500	83	198	715	35.6
5 PzV 625	625	101	198	715	43.8
6 PzV 750	750	119	198	715	51.9
7 PzV 875	875	137	198	715	60.0
8 PzV 1000	1000	155	198	715	68.1
2 PzV 280	280	47	198	750	20.3
3 PzV 420	420	65	198	750	28.6
4 PzV 560	560	83	198	750	36.9
5 PzV 700	700	101	198	750	45.2
6 PzV 840	840	119	198	750	53.7
7 PzV 980	980	137	198	750	62.1
8 PzV 1120	1120	155	198	750	70.4

Overlid cell height is overall height minus 30 mm.

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Evolution® PzVB-cells with bolt-on connectors, dimensions according to IEC 60254-2 Serie E standard					
Cell designation	**Nominal capacity**	**Length**	**Width**	**Overall height**	**Weight +/-5% with electrolyte**
	5- hour Ah	**mm**	**mm**	**mm**	**kg**
2 PzVB 134	134	45	157.5	541	11.1
3 PzVB 201	201	61	157.5	541	15.2
4 PzVB 268	268	77	157.5	541	19.4
5 PzVB 335	335	93	157.5	541	23.6
6 PzVB 402	402	109	157.5	541	27.7
7 PzVB 469	469	125	157.5	541	32.0
2 PzVB 162	162	45	157.5	642	12.9
3 PzVB 243	243	61	157.5	642	17.9
4 PzVB 324	324	77	157.5	642	22.7
5 PzVB 405	405	93	157.5	642	27.6
6 PzVB 486	486	109	157.5	642	32.6
7 PzVB 567	567	125	157.5	642	37.5

Overlid cell height is overall height minus 30 mm.

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