

Evolution GEL Battery Range

The Hawker® evolution is a new maintenance free valve regulated gas recombination battery with gelled electrolyte, accepting up to 80% DOD/C5. This PSV range complements the IBCS strong product range further to the logistics and materials handling industries.

APPLICATIONS

- PzV batteries can be used for forklift trucks, cleaning machines and other electric vehicles.
- Warehouse areas which are governed by strict emission regulations or where liquid electrolyte leakage would not be acceptable environmentally.
- Storage areas with limited charging space or without specially equipped charging station.
- Where maintenance-free operation is a must, either for practical or financial reasons.
- Designed for medium and light applications on a single shift operation.
- For new applications a survey must be carried out by the IBCS Technical Team.

TECHNICAL FEATURES & BENEFITS

- The specialist make-up of the Hawker evolution gel battery not only prevents any acid leakage, but also ensures that there is no stratification of the acid during cycling.
- The battery is maintenance free over the whole operational life; water topping up is not required. Through the internal oxygen circulation and the special charging regime, the very low gas emission permits decentralised charging of the truck or equipped machine, or makes the use of a simplified charging room possible. From this significant cost benefits arise, because of low investment and operational costs.
- Minimum maintenance cost: sealed battery and topping up is not required.
- User and Environmental friendly: with the electrolyte in GEL form there is no acid leakage and no danger of corrosion and contamination.
- Operational flexibility: very low gas emissions, low ventilation requirements, large expensive charging stations are not required. Operational temperature ranges from -10C to +40C.
- Flexibility and interchangeability: corresponding dimensions and weight according to DIN and BS standards, safe and easy switch from old PzS to PzV battery.
- High Performance: tubular plate design ideal for deep cycling applications. PbCaSn lead alloy, suitable for VRLA battery.
- High operational safety and long life: recombination valve with regulated internal pressure limits prevents high temperatures. GEL electrolyte prevents acid stratification during daily charge-discharge operation. Both prolong the life of the battery.
- Alloys used are recyclable with lead poles with brass insert and M10 thread. Poles have copper connectors are bolt-on type and fully insulated.



Enersys® Hawker™ Evolution Gel™ Din Standard

Cell Type	Length (b)	Width (l)	Height 1	Height 2	Weight
2 PzV84	47	198	275	305	6.9
3 PzV126	65	198	275	305	9.7
4 PzV168	83	198	275	305	12.4
5 PzV210	101	198	275	305	15.3
6 PzV252	119	198	275	305	18.1
7 PzV294	137	198	275	305	20.9
8 PzV336	155	198	275	305	23.7

Cell Type	Length (b)	Width (l)	Height 1	Height 2	Weight
2PzV190	47	198	511	541	13.6
3PzV2285	65	198	511	541	19.4
4PzV380	83	198	511	541	25.2
5PzV475	101	198	511	541	31.0
6PzV570	119	198	511	541	36.9
7PzV665	137	198	511	541	42.6
8PzV760	155	198	511	541	48.5

Cell Type	Length (b)	Width (l)	Height 1	Height 2	Weight
2PzV120	47	198	340	370	8.9
3PzV180	65	198	340	370	12.6
4PzV240	83	198	340	370	16.3
5PzV300	101	198	340	370	20.0
6PzV360	119	198	340	370	23.7
7PzV420	137	198	340	370	27.4
8PzV480	155	198	340	370	31.1

Cell Type	Length (b)	Width (l)	Height 1	Height 2	Weight
2PzV220	47	198	570	600	15.1
3PzV330	65	198	570	600	21.6
4PzV440	83	198	570	600	27.9
5PzV550	101	198	570	600	34.3
6PzV660	119	198	570	600	40.8
7PzV770	137	198	570	600	47.1
8PzV880	155	198	570	600	53.6

Cell Type	Length (b)	Width (l)	Height 1	Height 2	Weight
2PzV150	47	198	405	435	10.5
3PzV225	65	198	405	435	14.9
4PzV300	83	198	405	435	19.3
5PzV375	101	198	405	435	23.7
6PzV450	119	198	405	435	28.1
7PzV525	137	198	405	435	32.5
8PzV600	155	198	405	435	36.9

Cell Type	Length (b)	Width (l)	Height 1	Height 2	Weight
2PzV250	47	198	685	715	19.8
3PzV375	65	198	685	715	27.6
4PzV500	83	198	685	715	35.6
5PzV625	101	198	685	715	43.8
6PzV750	119	198	685	715	51.9
7PzV875	137	198	685	715	60.0
8PzV1000	155	198	685	715	68.1

Cell Type	Length (b)	Width (l)	Height 1	Height 2	Weight
2PzV174	47	198	475	505	12.5
3PzV261	65	198	475	505	18.0
4PzV348	83	198	475	505	23.2
5PzV435	101	198	475	505	28.5
6PzV522	119	198	475	505	33.8
7PzV609	137	198	475	505	39.0
8PzV696	155	198	475	505	44.4

Cell Type	Length (b)	Width (l)	Height 1	Height 2	Weight
2PzV800	47	198	720	750	20.3
3PzV420	65	198	720	750	28.6
4PzV560	83	198	720	750	36.9
5PzV700	101	198	720	750	45.2
6PzV840	119	198	720	750	53.7
7PzV980	137	198	720	750	62.1
8PzV1120	155	198	720	750	70.4

PzVB - BS PRODUCT RANGE

Cell Type	Length (b)	Width (l)	Height 1	Height 2	Weight
2 PzVB134	45	157.5	511	541	11.1
3 PzVB201	61	157.5	511	541	15.2
4 PzVB268	77	157.5	511	541	19.4
5 PzVB335	93	157.5	511	541	23.6
6 PzVB402	109	157.5	511	541	27.7
7 PzVB469	125	157.5	511	541	32.0

Cell Type	Length (b)	Width (l)	Height 1	Height 2	Weight
2 PzVB162	45	157.5	612	642	12.9
3 PzVB243	61	157.5	612	642	17.9
4 PzVB324	77	157.5	612	642	22.7
5 PzVB405	93	157.5	612	642	27.6
6 PzVB486	109	157.5	612	642	32.6
7 PzVB567	125	157.5	612	642	37.5