



IMBANI ENERGY

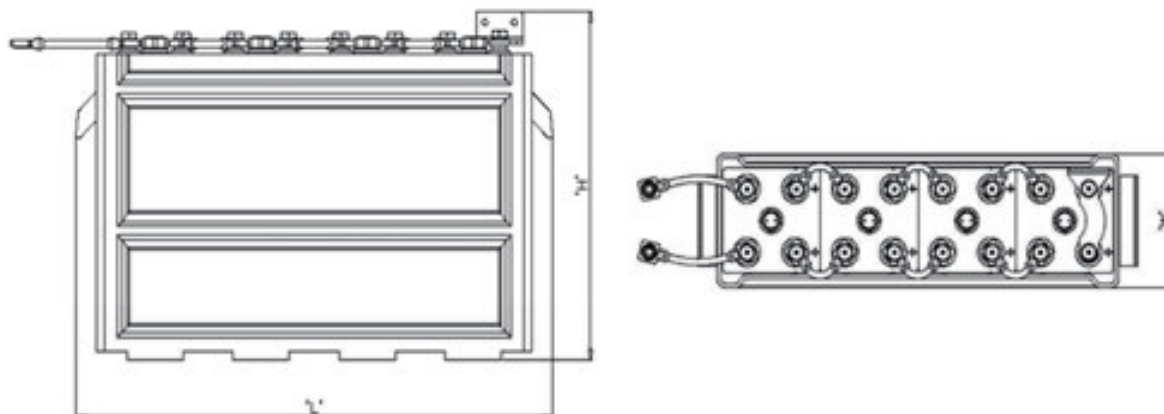


RAILWAY BATTERIES

SANS IEC 60254-1,2:1997

Battery Specifications

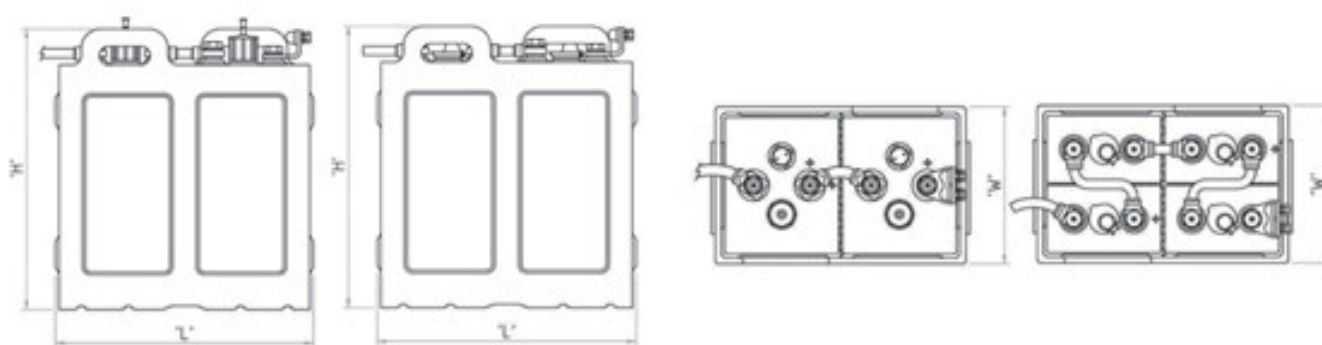
DIESEL STARTING BATTERIES



Type	Voltage	Starting Current (A) *	Capacity@ 30°C (Ah)					Wet Wt. (kg) ± 5%	External dimensions of Container (mm)			Overall Height of Cells (mm)
			10 hour	8 hour	5 hour	3 hour	1 hour		Length (mm) "L"	Width (mm) "W"	Height (mm) "H"	
4MIL15DS	8	760	-	395	375	360	315	115	715	180	420	470
4MIL25DS	8	1300	-	680	650	625	550	185	715	280	425	470
4 DS 280	8	590	-	295	280	265	235	90	700	172	393	456
4 DS 390	8	750	-	380	360	345	305	110	715	180	346	410
4 DS 420 G	8	***	-	430	415	395	350	125	730	180	450	410

* -18°C, 3 minutes to an end voltage of 1.0V /cell

TRAIN LIGHTING BATTERIES



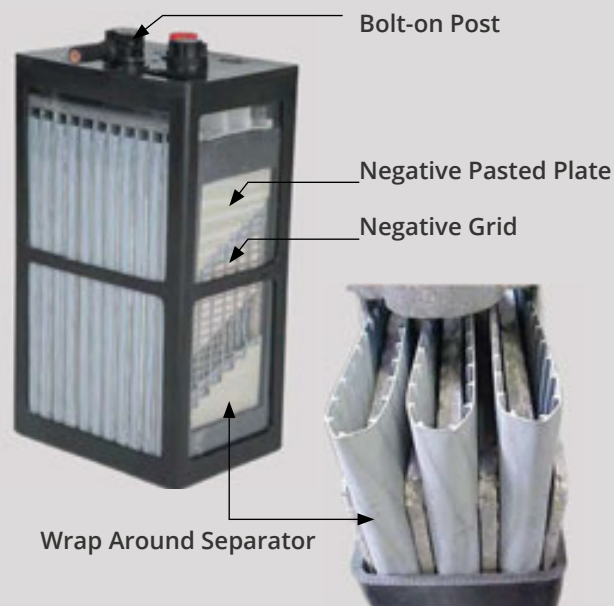
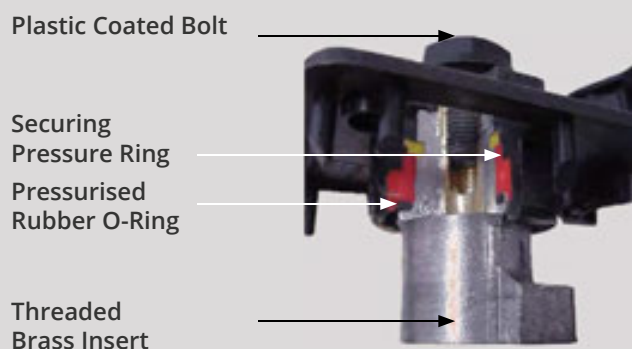
Type	Voltage	Starting Current (A) *	Capacity@ 30°C (Ah)					Wet Wt. (kg) ± 5%	External dimensions of Container (mm)			Overall Height of Cells (mm)
			10 hour	8 hour	5 hour	3 hour	1 hour		Length (mm) "L"	Width (mm) "W"	Height (mm) "H"	
4 BIMF 9TL	8	-	170	165	160	150	135	55	355	220	340	390
2 BIMF23TL	4	-	475	460	440	420	370	64	355	220	340	390

* -18°C, 3 minutes to an end voltage of 1.0V /cell



PerfectSeal®

Patented PerfectSeal® Bolt-On Post



BATTERY QUALITIES

- Individual cells in rugged casing to improve shock resistance and to facilitate easy cell change out if required.
- Double posted to reduce voltage drop during diesel starting applications.
- Positive plate is of tubular construction using low antimony alloys thus reducing topping up frequency.
- Negative plate is of a highly porous paste on an alloy grid. This compliments the positive plate construction providing a balanced performance and superior life.

All positive plates are automatically sleeved (the separator is wrapped around the plate). Sleeves replace individual separators with the following benefits:

- No missing separators.
- Ensures alignment of plates and separators.

- Eliminates the possibility of shorts circuits and mossing.
- Extended life.

The mud trap prevents possible short circuits between plates due to active material shedding during the life of the cell.

The lid is heat sealed to the container ensuring a homogenous bond which is vital to mechanical strength and safety.

Connectors:

- Made of thermoplastic rubber.
- Acid, abrasion and fatigue resistant.
- Access for easy voltage checking.
- More flexible than PVC cable.
- Exceptional moulding bond eliminates contamination.
- Built in "o" rings.
- Easy and simple to connect.





IMBANI
ENERGY

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