



RAIL

Battery systems and solutions for a wide range of rail passenger and freight vehicles including diesel starter and carriage lighting.

Since 1910, our line of quality batteries, options and customisation capabilities, coupled with our technical and service support, provide you with a leading edge for all your battery solutions.

- Bespoke solutions.
- Technical advice and support.
- Flexible lead times & customer delivery schedules.
- British engineered.
- Battery filling and charging systems available.
- Recycling service available.
- Rail quality approvals.
- Refurbishment service.

All Shield Rail Batteries are manufactured in the UK using traditional methods and top quality components. A fourth generation family business with the flexibility required to respond to the ever-changing needs of the modern rail industry. All battery sets supplied with secondary boxes, connectors, links and covers.



BRITISH MADE
DESIGNED TO PERFORM
AND BUILT TO LAST

powering the future since 1910...

www.shieldbatteries.co.uk

Please find below a small selection of our extensive range of Rail battery specifications.

Rail Cat No.	Battery Type	Shield Ref.	Cells	AH	Application
18-070262	Carriage Lighting	12.NC13F	12	255	Mark 1 & 2 Coach
18- 070264	Carriage Lighting	12.NC19F	12	400	Mark 1 & 2 Coach
52-070055	Carriage Lighting	12.NC21F	12	440	Mark 2 Coach
	Carriage Lighting	12.NC25F	12	550	Mark 2 Coach
64-070952	Carriage Lighting	16.3NB11F	48	148	Mark 3 Coach
15-007950	Carriage Lighting	6.2NB17	12	237	Class 158/159
98-19522/52-4619	Gel Block	GB 06 300	-	300	Class 14X & 15X D.M.U.
15-078086	Diesel Starter	PSV703	3	260	Class 14X & 15X D.M.U.
17-070011	Diesel Starter	10.4DSA11	40	101	Class 08(90v)
17-070010	Diesel Starter	12.4DSA11	48	101	Class 08(110v) & 73
17-070013	Diesel Starter	10.4DSA13	40	121	Class 201,205 & 207
72-070682	Diesel Starter	12.4DSA17F	48	162	Class 43(HST)
51-070060	Diesel Starter	12.4DSA17F	48	162	Class 20
51-070062	Diesel Starter	16.3DSB17F	48	178	Class 37
61-070037	Diesel Starter	8.6DSB17	48	178	Class 33
15-073292	Diesel Starter	6.2DSB23	12	246	Class 158/159 & 165
72-070578	Diesel Starter	24.2DSB23	48	246	Class 60
72-070683	Diesel Starter	12.4DSB23	48	246	Class 47, 56, 57 & 58
61-017261	Diesel Starter	12.4DSC13	48	170	Class 24,25 26 & 27
51-070061	Diesel Starter	12.4DSC17	48	246	Class 31 & 50



GEL

Shield Batteries now have available a Gel battery for Rail applications. Manufactured using the latest Gel production technology, the 6volt blocks supply 300Ah(20hr). Applications include 14X, 15X DMU vehicles and Class 158/159 Sprinter vehicles. Our full technical data sheets are available upon request. Standard VRLA charging applies.

Shield Batteries Refurbishment Programme

Based on the success of a continuing rail refurbishment programme with the major rail companies Shield batteries are now expanding this service to other customers as required. All refurbishment work is carried out to comply with our ISO 9001 quality certification and to BR's Lead acid battery maintenance specification TE/TP0257.

- Battery set steam cleaned.
- Visual inspection for damaged/leaking cells re-watering as required.
- Re-charge with on charge temp/voltage electrical test as specified in TE/TP0257.
- On passing the above, all inter-cell/battery connections are removed, all threads are cleaned, checked and re-greased.
- All cells are reconnected with inter-cell connectors replaced as required.
- Specific gravity and OCV readings recorded and checked for pass criteria.
- Final electrolyte level adjustment as required.

Those sets rejected before the required testing criteria are scrapped or returned to the customer as previously agreed. *Collection/Re-delivery charges will apply if the battery set fails the testing criteria.



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Shield Batteries Ltd reserves the right to change or revise, without notice, any specification or other details given in this publication. E & O E.