

# Batteries – S3, S4 and S5

Overview, features and benefits







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Invented for life



- ▶ Superior starting power and longer battery life
- ▶ Original Equipment product
- ▶ Sealed – spill and leak proof

	<b>S5</b> Black Label	<ul style="list-style-type: none"><li>▶ High electrical demand - as below: plus parking sensors, climate control, trip computer, heated front windscreen, video player</li><li>▶ Latest "high end" vehicles</li><li>▶ Large diesel engines</li></ul>	
	<b>S4</b> Blue Label	<ul style="list-style-type: none"><li>▶ Medium electrical demand - as below: plus air conditioning, heated seats, immobiliser, cruise control, engine management system</li><li>▶ All modern vehicles, typically from 2000 onwards</li></ul>	
	<b>S3</b> Grey Label	<ul style="list-style-type: none"><li>▶ Low electrical demand - typically: ABS, heated rear screen, alarm, electric windows, mirrors and sunroof</li><li>▶ Older vehicles, typically pre 2000</li><li>▶ Smaller engines</li></ul>	

Bosch supplies a full range of high performance batteries for the differing needs of modern vehicles.

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### PowerFrame® technology

#### Set of plates with particularly robust connection

The central arrangement of the connectors between positive and negative plates ensures additional stability.

#### Labyrinth lid for high operational safety

The double lid with labyrinth design ensures that evaporated liquid remains inside the battery. This makes the S5 battery absolutely maintenance-free and leak-proof.

#### Terminal-post covers

Provide protection against short circuits.

#### Ergonomic handles

For easy transport and installation.

#### Ion-permeable pocket separator

Prevents contact between positive and negative plate – for longer service life and higher starting power.

#### Patented PowerFrame (grid) for optimum current flow and reduced corrosion

#### Universal adapter bottom rail with high degree of vehicle compatibility

For safe, precisely fitting installation. Reduced type variations simplify stockkeeping.

### Labyrinth Lid

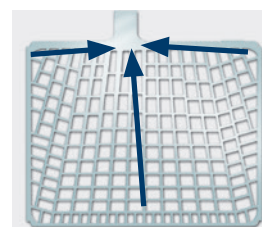
Integral flame arrestors - prevents external ignition of battery gases

Leak-proof, patented labyrinth lid

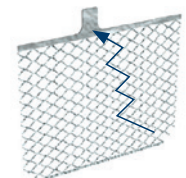
Single point 'safe' venting

- ▶ Prevents acid vapour leaking
- ▶ Extends battery service life

### PowerFrame Grid



- ▶ Provides optimised current paths
- ▶ Higher cranking/starting power
- ▶ Longer battery life
- ▶ Minimal corrosion



#### Comparison:

Competitors with expanded grids have a longer current path. Bosch only uses this grid on negative plates

### Batteries Summary:

- ▶ Superior starting power and longer battery life
- ▶ Sealed – spill and leak proof
- ▶ Original equipment product



**Awarded to  
Bosch S5  
batteries**