Product datasheet

BATTERYcharge 405 ESSENTIAL

Start/Stop compatible
Suitable for vehicles with Start/Stop system

Winter mode
Protects batteries in cold temperatures

2-year OSRAM Guarantee
Systematic quality assurance measures underpin the premium workmanship and functionality of our products. Innovative technology and excellent quality really pay dividends for our customers.



Charge and maintain your vehicle battery for prolonged connection.

The OSRAM BATTERYcharge 405 ESSENTIAL is a 5A smart charger and battery maintainer for 6V and 12V vehicles including motorbikes and most smaller vehicles. 7 stage charging cycle at the touch of a button for Lithium batteries and only a 9-stage cycle for Lead Acid/AGM batteries. Connect and be sure that the car battery charger is maintaining your car battery as it automatically adjusts to long-term maintenance mode when battery is full. Includes a digital display to make the charging process easier and a host of safety features including reverse polarity and short-circuit protection.

© 2026, OSRAM GmbH. All rights reserved.

Product datasheet

Technical data

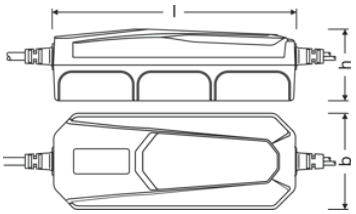
Product information

Application (Category and Product specific)	Smart battery charger

Electrical Data

Charge Rate (Up to)	5.0 A
Max battery capacity	90 Ah

Physical Attributes & Dimensions



Length	62.0 mm
Width	46.0 mm
Height	157.0 mm

Dimensions & weight

Power Cable Length	1.5 m
Clamps Cable Length	1.5 m

Additional product data

Recommended to Use With	Motorcycle, Car
Battery Connection	Crocodile Clamps

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Primary article identifier	4062172406703
Candidate list substance 1	Lead
CAS No. of substance 1	7439-92-1

© 2026, OSRAM GmbH. All rights reserved.

Product datasheet

Safe use instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration no. in SCIP database	195b3eb4-8f43-4bbf-9217-2600cdaec574

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172406703	BATTERYcharge ESSENTIAL 405	Folding carton box 1	253 mm x 112 mm x 64 mm	1.81 dm^3	432.00 g
4062172406710	BATTERYcharge ESSENTIAL 405	Shipping carton box 4	246 mm x 271 mm x 162 mm	10.80 dm^3	1978.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Download Data

	File
	User instruction BATTERYcharge 405 ESSENTIAL

Application advice
For more detailed application information and graphics please see product datasheet.

Disclaimer
Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

© 2026, OSRAM GmbH. All rights reserved.