DBL75-14 Smart Charger

Intelligent (trickle) Charger for 12V LiFePO₄ and lead-acid batteries

The DBL 75-14 is a microprocessor controlled trickle charger for battery care of automotive batteries. Equipped with an intelligent, adaptive charging and regeneration process and automatic battery chemistry detection. It is suitable for all types of 12V lead-acid batteries including GEL and AGM, also for 12V LiFePO₄ batteries. It is able to recognition lightly sulphated lead-acid batteries. The battery charger automatically detects type of battery and automatically selects an ideal charging process. Every battery (lead-acid or LiFePO₄) is being analyzed individually and carefully charged depending on SoC (State of Charge) and SoH (State of Health). Every charging process is adaptively adjusted to the requirements of the connected battery.

Benefits
– Intelligent, adaptive charging and regeneration process
– Automatic battery chemistry detection (lead-acid or LiFePO₄)
– Already used by leading car manufacturers
– Plug & Play
Design
– AC wide range input
– Several protection and self-protection functions (Overload, short circuit, over temperature, reverse polarity, no sparking when connecting a battery)
– Customer specific design and connection

Technical data
Max. charging current 5A
Max. output voltage 16VDC
Safety
CE version: IEC60335-1, IEC60335-2-29
UL version: UL1236, CAN/CSA C22.2 No. 107.2
Connection
Input: Mains cable 2 m (UL version); 2 m international power cord set (CE version)
Output: Cable 2 m plug with crocodile clips or ring terminals
MagCode PowerClip on request
Dimensions (W x H x D) 60 x 30 x 150 mm
Weight 400 g