

OptiMATE PRO-8

Total battery management for up to 8 batteries, 6 or 12V



Charges up to 8 batteries at the same time

For 6 and 12V batteries STD, AGM, Deep Cycle

Automatically recovers deep-discharged batteries

Battery test and self-discharge check

Keeps batteries fully charged at all times

The new **OptiMate PRO 8** is a highly versatile 6/12V battery-care centre for up to 8 batteries at a time. Compatible with all lead-acid models, GEL, MF-AGM or conventional, the new **OptiMate PRO 8** can be used on starter batteries, as well as on industrial, motive or stationary-oriented types.

Just connect up to 8 (even dissimilar) batteries, and these will be individually taken through OptiMate's widely acclaimed multi-stage programme: desulphation (if necessary), constant current bulk charge, verification, final test and limitless maintenance. Countless connection variations are possible, either enhancing charge current for larger batteries, or handling series-connected batteries, or both. Combinations up to 8A or 96V are possible.

State-of-the-art diagnostics, charging, testing and recovery of otherwise "dead" batteries", all in a single device.

OptiMate PRO 8. Battery Performance Guaranteed!



OptiMATE™

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How it works

Select rated output voltage (6 or 12V). Each selection toggle switch governs two charging stations. Each station delivers a 1 constant Amp charging current during the main (or “bulk”) charging stage.

One or more stations can be connected to a single battery for a constant charging current of up to 8A, or 8 similar batteries in series, provided a uniform selection has been made on all stations (6 or 12V). As an example, one can use 4 stations (2 pairs) to maximise output current on one large 6V-battery (4A), and use the remaining 4 stations to charge 4 series connected 12V-batteries.

OptiMate PRO 8 is protected against wrong polarity connections and spark formation, ensuring a perfectly safe operation.

- 1. Initialisation:** OptiMate PRO 8 checks that it is connected to a battery with min. voltage 1,8V.
- 2. Desulphation and recovery:** if necessary, a high voltage is applied to recover neglected, flat batteries from a sulphated condition to a chargeable state.
- 3. Bulk charge:** a 1A constant current optimally charges each individual battery according to its evolving electrical characteristics.
- 4. Charge verification:** this stage has a twofold function, it completes the charge and equalises the voltage between the cells, optimising battery performance and lifespan.
- 5. Charge retention test:** when the optimal charge has been achieved, a 30-minute check for battery (and connected system) basic state of health commences. The result can be read at a glance on the easy-to-read, individual LED panel. Update every hour.
- 6. Charge maintenance:** during alternate 30 minute-periods, the battery is being offered whatever current it needs to sustain it against any small connected loads or against natural self-discharge.
OptiMate PRO 8 can be left connected to the battery indefinitely, the battery will stay cool and safe. And optimally charged. Of course.

Technical Specifications

Recommended for AGM/MF, 'Classical', and GEL batteries	from 2Ah to 48Ah (48-hour charge cycle)
Input current max.	0,45A @ 230V
Reverse drain current	less than 1mA
Output current (bulk charge)	1A at each output
Automatic desulphation stage	(high voltage)
Charge time limit	48 hours (maintenance time: unlimited)
Maintain / test cycles	30 min/30 min (alternating hourly)
Charge retention test	2 possible results, 'good' or 'bad'
Size	235 x 274 x 178 mm
Weight (packaging)	5,7 kg (7,9kg)
Mounting	Optional wall mounting bracket
Input cable length	2m
Output cable length	8 x 2,65m (incl. extensions, excl. connection sets)
Included Accessories	8 x SAE-74 clamps set for bench charging 8 x SAE-63 extension cable 
Operation temperature range	0°C / +40°C
Warranty	2 years