

OptiMate : Recognised as the world's best & most trusted battery optimiser.
 Recommended by 8 major motorcycle manufacturers. It's no coincidence !
 Now the all-new **OptiMATE4** sets even higher standards with many stunning features.

- ◆ Dual recovery + turbo recovery mode for dead-flat batteries
- ◆ Comprehensive 10-LED status & information panel
- ◆ Stylish 2-tone IP64 sealed weatherproof housing
- ◆ 5 possible charge retention test results
- ◆ Charge current bar-graph display



- ◆ Stress-relieving cable bushings
- ◆ Easy wall-mounting

Power module	Transformer plus switch-mode on secondary (output)
Programme control	Microprocessor plus complex monitoring & safety circuits
Input current max	0,083 Amps @ 220V
Reverse drain current	Less than 0,3 mA when OptiMate is connected to battery but not to AC input.
Heat rise max	9°C above a 20°C ambient in ventilated room.
Dual stage desulphation	Initial stage @16Vmax. Turbo stage @22Vmax (LED flashes), 2 hours maximum limit.
Bulk charge & LED ind.	0,8 Amps (constant current) until voltage has risen to 14,3V. Steady yellow LED.
Charge verification LED indication	Mode oscillates between float voltage limit at 13,6V & constant current limit at 14,3V Yellow "Charge" LED flashes in float mode, steady in constant current bulk charge mode.
Charge time limit	48 hours overall safety limit governs desulphation + charge + verification stages.
V-retention test mode LED indication	Maintain/test LED(s) flash(es). LED indication can change during test. 5 possible results are displayed by means of the 3 LEDs, indicating singly or in pairs.
Maintain/ test cycles	30 minutes/ 30 minutes. 50% duty cycle minimizes loss of H2O from electrolyte.
Maximum current in maintenance float mode	200mA if actual Voltage is below the float voltage limit of 13,6V but above 13,3V. 800mA if actual Voltage falls below 13,3V.
Ave power consumed @30mA in float mode	0,00032 kW. At an energy cost of €20 per 100 kWh, the monthly cost would be € 0,05. Typical maintenance current is < 30mA including electronic immobiliser.
Accessories included	TM-71 fused eyelets set, weatherproof connector capsule, TM-74 set with battery clips
Warranty	2 years