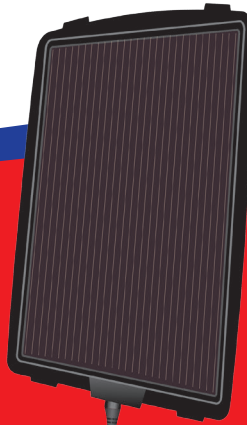


OptiMATE

solar



NEW

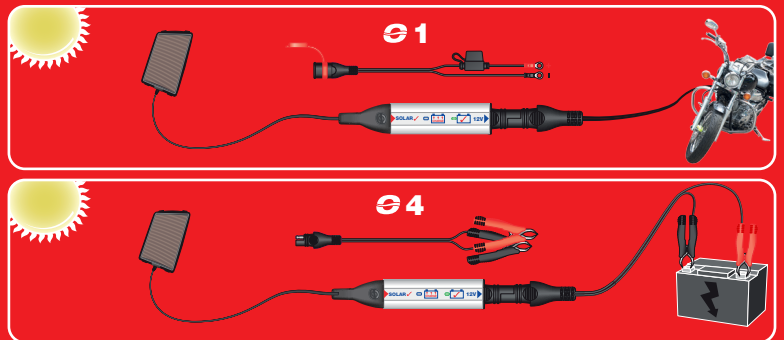
**The worlds
most efficient
Solar Pulse
Charger, Tester
& Maintainer**



More battery power

Longer battery life

Save your 'dead' battery



OptiMate Solar, desulphates, charges and maintains your battery from a standard 12V solar panel. It converts low solar energy to high pulse charge, which improves solar charge efficiency, also at places where there is no access to an AC/DC supply.

OptiMate Solar, comes with a separate smart controller that makes it easy to see (in proximity of the vehicle) whether your battery is charging or maintaining. In short, save flat batteries with solar power and insure 100% safe long term battery care.

OptiMate Solar. Battery performance guaranteed!

1

TEST
solar volts
& battery

2

SAVE
(from 1V)

3

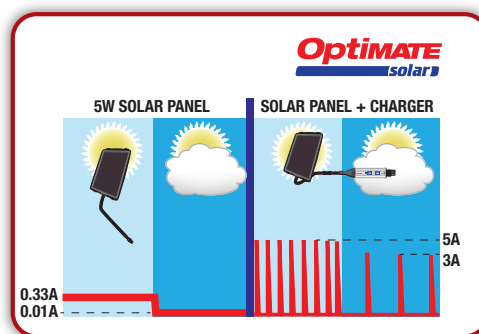
CHARGE

4

MAINTAIN
OptiMate
Pulse

How it works

- Safety check:** **OptiMate Solar** must be connected to a battery (retaining minimum 1V) to activate its output.
- Visual explanation:** 3 LED lights on separate controller
 - red light ON: SOLAR POWER OK**
 - red light flashing: CHARGING**
 - green light flashing: Maintaining (READY)**
- Functionality:** Turns low current from a standard 12V solar panel into higher current pulses more effective for battery charging. Pulse current up to 4-5 Amps, controlled according to size of panel, strength of sunlight.
- Charge & maintain cycle:** 4 step charging:
 - TEST** if solar panel voltage is sufficient, tests battery to determine charge requirement.
 - SAVE** low voltage sulphated batteries from 1 Volt.
 - CHARGE** up to 14-14.4V.
 - MAINTAIN** pulse charge (13.5V max.) for safe long term maintenance.
- OptiMate Solar** can remain connected to the battery indefinitely, the battery will remain cool and safe. And optimally charged. Of course.



Technical Specifications

Ideal for 12V lead-acid batteries	2 to 240Ah, AGM (MF), Standard, GEL and AGM spiral cell
Program control	4 stages, fully automatic
Output current (bulk charge)	2A
Charge time limit	Safe to leave connected for seasonal maintenance
Maintain / test cycles	Keeps battery at 100% charged when not in use
Size	381 x 635 x 533 mm / 15 x 2.5 x 21 inches
Enclosure	fully sealed (IP54), 4 x wall mount tabs
Included Solar Panel	Model TM524: 6W Solar Panel
Included accessories	O-01: weatherproof permanent lead O-04: alligator/battery clips
Operation temperature range	From -20°C <-> 40°C / -4°F <-> 104°F
AC supply	100-240V ~ 50-60Hz 0.23A @ 100V - 0.15A @ 240V
Reverse drain current	less than 0.5mA
Power usage (no battery connected)	0.0089kWh / day
Ratings / approvals : Safety, EMC, Energy efficiency, enclosure seal rating	IP54, CE, NRTL (UL & CSA), SAA (AU & NZ), approved by TUV Sud. BC (California Energy Compliant).

