

OptiMATE

solar

OPTIMATE 12V SOLAR CHARGER + 10W SOLAR PANEL

The World's most efficient Solar Pulse charging system!



MORE BATTERY POWER

LONGER BATTERY LIFE

SAVE YOUR 'DEAD' BATTERY



The smart OptiMate Solar system includes a weatherproof solar panel and a smart OptiMate Solar combination charger-monitor controller, that charges & maintains a 12V battery during the day and monitors and displays the battery state of charge at night. At night the smart controller turns into a battery monitor, providing battery information every 3 seconds on the easy to read 3 LED panel.

The solar panel's wide spectrum poly-crystalline technology generates power even in low light, that the OptiMate controller converts into high current pulses more effective for charging and maintenance of a 12V battery.

Charger by day, monitor by night, with battery information available 24-7!



OptiMATE

**The Battery Saving
Charger**



The world's most efficient solar pulse charge system that can save your 'dead' battery and provide safe long term maintenance.

CHARGE

Saves flat batteries from as low as 1V with its unique pulse action.

Fastest charge is delivered as 'smart charge' control selects pulse or continuous charge according to sunlight strength. Intelligent maintenance continues the next day if battery retained charge overnight, otherwise the program reverts to OPTIMIZE step.

MONITOR

Battery condition is displayed every 3 seconds. Ready indication for STD and hi-performance AGM batteries. Draws less than 0.5mA during monitor mode. Automatically switches to CHARGE when solar power is sufficient.

MOUNTING

The OptiMate charger-monitor controller is separate to the solar panel and can be placed close to the vehicle or battery so that charge and maintenance progress can be easily followed. The solar panel must be mounted and angled to receive direct sunlight. The reach / distance between battery and panel is 315cm / 124inch. To extend, use OptiMate Cable Extenders O-03, O-13 or O-23 and insert between the solar panel and the OptiMate charge-monitor controller.

SOLAR PANEL

Power:	10 Watts (max.)
Volts:	12 V nominal, 22 V maximum.
Use:	Outdoor / indoor.
Dimensions	Width= 29.3 cm / 11 1/2" Height= 32.5cm / 12 5/8" Depth= 2.6 cm / 1 "
Style:	Weatherproof, aluminium frame with 4 x mounting brackets, output cable 200cm / 80inch with SAE connector.

OPTIMATE CHARGE CONTROLLER

Dual charge conversion (10W panel):	Direct sun: 0.83A max. average current @ 12V Low light: 3-5A variable pulse current.
Use:	Indoor / Outdoor (lowest temperature: -4°F / -20°C)
Save:	Low Volt Start of 1V, pulsed recovery
Ideal for:	STD, AGM & GEL 12V batteries from 2 – 240Ah.
Input:	15 – 22 V
Style :	Weatherproof charge controller case
Included:	Weatherproof battery lead O-01, standard battery clip set O-04

SAFE:

No risk of overcharging. Totally safe for vehicle electronics. Sparks suppressed. Safe for long-term battery maintenance. Automatic shut-down if short-circuited or battery disconnected. 3-year limited replacement warranty.

24/7 Battery Care

CHARGING
red light flashing
yellow light ON

MAINTAIN
red light flashing
green light ON

MONITOR
green light FLASHING
every 3 seconds