

# Optimate

NA-EN  
November 2015

## The Battery Saving Charger

MORE BATTERY POWER

LONGER BATTERY LIFE

SAVE YOUR 'DEAD' BATTERY



GENERAL MAINTAINERS

POWER SPORT

AUTO & MARINE

LITHIUM

DC TO DC

 SOLAR

**Download the electronic version at [www.tecmate.com/cat](http://www.tecmate.com/cat)**  
**Available in EN, FR, ES, DE, IT, NL and more.**

# 4 REASONS WHY OPTIMATE IS BETTER THAN OTHER BATTERY CHARGERS

## ALL OPTIMATE BATTERY CHARGERS

- 1 TEST** battery condition at connection, decide optimal charge method, then charge. Models from OptiMate 3 also test after charging.
- 2 UNIQUE MAINTENANCE PROGRAM**  
24/7 safe maintenance. Checks charge level hourly, delivers exact charge to keep battery at 100% and support 'always on' vehicle circuitry. Soft pulse prevents sulphation build-up.
- 3 EQUALIZES BATTERY CELLS** with a unique pulsing method, brings each cell to full charge for guaranteed 100% battery performance!

## ONLY OPTIMATE BATTERY SAVING CHARGER MODELS

(OptiMate 3, 4, 5, 6, 7 and Lithium)

- 4 SAVE 'DEAD' BATTERIES** other chargers can't from as low as 1/2 a Volt.

Lead-acid chargers (3, 4, 5, 6, 7) : *Proven controlled desulphation program for off vehicle battery saving and safe low volt recovery program for on vehicle battery reconditioning.*

Lithium chargers (4s 0.8A, 4s 5A) : *Proven Low voltage save & test program re-balances cells and check for damage.*

**OptiMATE**  
The Battery Saving  
Charger

# Optimate 1 STANDARD

**Cost-effective  
12V battery  
maintenance**

**TM-85**

**\$37.90**

Smart voltage & current control

**NOTICE:**

The Standard (STD) version cannot be sold in the US states of California or Oregon as it does not meet the state efficiency requirements.



PLUG-IN CASE  
DUSTPROOF

1

Low Volt  
Start (4V)

2




Controlled  
CHARGE

3

OPTIMIZE

4

OptiMate  
maintenance

CHARGING	0.9A
USE	INDOOR t°min: -4F / -20°C
SAVE	Low Volt start 8V
IDEAL FOR	  <b>2 - 50Ah</b>
CABLE ACCESSORIES	 <b>1</b> <b>4 small</b>

**Optimate 1 GLOBAL**

**Cost-effective  
12V battery  
maintenance**

Smart voltage & current control

**TM-401**

**\$39.90**



PLUG-IN CASE  
DUSTPROOF

**1**

Low Volt  
Start (4V)

**2**



Controlled  
CHARGE

**3**

OPTIMIZE

**4**

OptiMate  
maintenance

<b>CHARGING</b>	<b>0.6A</b>
<b>USE</b>	<b>INDOOR</b> <b>t°min: -4F / -20°C</b>
<b>SAVE</b>	<b>Low Volt start 4V</b>
<b>IDEAL FOR</b>	 <b>STD</b> <b>AGM</b> <b>GEL</b> <b>2 - 30Ah</b>
<b>CABLE ACCESSORIES</b>	 <b>1</b> <b>4 small</b>

## Optimate2

**Advanced  
12V battery  
maintenance**

Smart voltage & current control

Charges flat batteries from 2 Volt



**TM-421**

**\$52.90**

WEATHERPROOF CASE  
with WALL MOUNTS

**1**

Low Volt  
Start (2V)

**2**



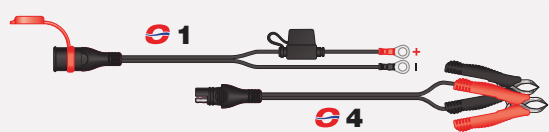
Controlled  
CHARGE

**3**

OPTIMIZE

**4**

OptiMate  
maintenance

CHARGING	0.8A
USE	INDOOR / OUTDOOR      t°min: -4F / -20°C
SAVE	Low Volt start 2V
IDEAL FOR	  3 - 96Ah
CABLE ACCESSORIES	

# Optimate3

**Most TRUSTED  
battery charger  
in power sports**

Recovers sulphated batteries

TEST after charging



**TM-431**

**\$62.90**

WEATHERPROOF CASE  
with WALL MOUNTS

1

Low Volt  
Start (2V)

2

Turbo  
SAVE

3

Pulse  
SAVE

4

Controlled  
CHARGE

5



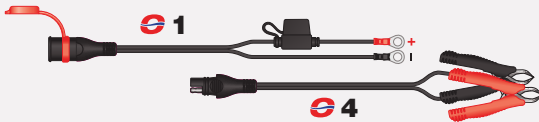
OPTIMIZE

6

TEST after  
CHARGE

7

OptiMate  
maintenance

CHARGING	0.8A
USE	INDOOR / OUTDOOR      t°min: -4F / -20°C
SAVE	Low Volt start 2V + 2 step desulfation recovery
IDEAL FOR	  2 - 30Ah
CABLE ACCESSORIES	

**Optimate3** **x2**  
DUAL BANK

**Most TRUSTED**  
**battery charger** **x2**  
**in power sports** **DUAL BANK**

Independent charge banks

Charge series connected batteries



**TM-451**  
**\$120.90**

WEATHERPROOF CASE  
with WALL MOUNTS

1

Low Volt  
Start (2V)

2

Turbo  
SAVE

3

Pulse  
SAVE

4

Controlled  
CHARGE

5




OPTIMIZE

6

TEST after  
CHARGE

7

OptiMate  
maintenance

CHARGING AMPS	2 x 0.8A
USE	INDOOR / OUTDOOR      t°min: -4F / -20°C
SAVE	Low Volt start 2V
IDEAL FOR	  3 - 30Ah
CABLE ACCESSORIES (per bank)	



**Optimate3** **x4**  
QUAD BANK

**Most TRUSTED**  
**battery charger**  
**in power sports**

**x4**  
QUAD BANK

**TM-455**

**\$239.90**

Independent charge banks

Charge series connected batteries



WEATHERPROOF CASE  
with WALL MOUNTS

**1**

Low Volt  
Start (2V)

**2**

Turbo  
SAVE

**3**

Pulse  
SAVE

**4**

Controlled  
CHARGE

**5**




OPTIMIZE

**6**

TEST after  
CHARGE

**7**

OptiMate  
maintenance

<b>CHARGING AMPS</b>	<b>4 x 0.8A</b>
<b>USE</b>	<b>INDOOR / OUTDOOR</b> <b>t°min: -4F / -20°C</b>
<b>SAVE</b>	<b>Low Volt start 2V + 2 step desulfation recovery</b>
<b>IDEAL FOR</b>	  <b>3 - 30Ah</b>
<b>CABLE ACCESSORIES (per bank)</b>	

# Optimate4

**Most ADVANCED & TRUSTED battery charger in power sports**

TESTS before & after charging

STD & BMW CAN-bus programs

Recovers batteries from 0.5V





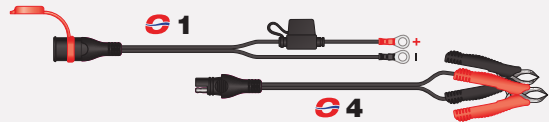
**TM-241**

**\$74.90**

STANDARD PROGRAM 1

- |                                   |                                |                             |                               |                                  |
|-----------------------------------|--------------------------------|-----------------------------|-------------------------------|----------------------------------|
| <b>1</b><br>Low Volt Start (0.5V) | <b>2</b><br>TEST before charge | <b>3</b><br>Pulse 'wake up' | <b>4</b><br>Turbo SAVE        |                                  |
| <b>5</b><br>Pulse SAVE            | <b>6</b><br>Controlled CHARGE  | <b>7</b><br>OPTIMIZE        | <b>8</b><br>TEST after CHARGE | <b>9</b><br>OptiMate maintenance |

WEATHERPROOF CASE with WALL MOUNTS  
❄️ 'ARCTIC' CABLE

<b>CHARGING AMPS</b>	<b>0.8A</b>
<b>USE</b>	<b>INDOOR / OUTDOOR</b> ❄️ t°min: -40F / -40°C
<b>SAVE</b>	<b>Low Volt start 0.5V + 2 Step desulfation recovery</b>
<b>IDEAL FOR</b>	  <b>3 - 50Ah</b>
<b>CABLE ACCESSORIES</b>	

# Optimate4

**CAN-bus  
edition**

CAN-bus program pre-selected

4ft/120cm BIKE charge cable






**TM-245**

**\$89.90**

**CAN-bus PROGRAM 2**

- |   |  |   |  |
|---|--|---|--|
| <b>1</b><br>CAN-bus<br>'Wake up'<br>pulse | <b>2</b><br>CAN-bus<br>low volt<br>check | <b>3</b><br>TEST<br>before<br>CHARGE        | <b>4</b><br>PULSE<br>SAVE                      |
| <b>5</b><br>Controlled<br>CHARGE          | <b>6</b><br>CAN-bus<br>OPTIMIZE          | <b>7</b><br>CAN-bus<br>TEST after<br>CHARGE | <b>8</b><br>CAN-bus<br>Optimate<br>maintenance |

WEATHERPROOF CASE  
with WALL MOUNTS  
❄️ 'ARCTIC' CABLE

<b>CHARGING AMPS</b>	<b>0.8A</b>
<b>USE</b>	<b>INDOOR / OUTDOOR</b> ❄️ <b>t°min: -40F / -40°C</b>
<b>SAVE</b>	<b>Low Volt start 0.5V + deep discharge recovery</b>
<b>IDEAL FOR</b>	  <b>3 - 30Ah</b>
<b>CABLE ACCESSORIES</b>	

# Optimate5

voltmatic

**ADVANCED**  
**6V & 12V**  
**battery care**

**Voltmatic** 6V/12V selection

Saves sulphated 6V & 12V batteries



**TM-223**

**\$89.90**

WEATHERPROOF CASE  
with WALL MOUNTS  
❄️ 'ARCTIC' CABLE

1

Low Volt  
Start (1V)

2

**Voltmatic**  
CHARGE  
selection

3

Turbo  
SAVE

4

Pulse  
SAVE

5

Controlled  
CHARGE

6

OPTIMIZE

7

TEST after  
CHARGE

8

OptiMate  
maintenance

CHARGING AMPS

4A @ 6V / 2.8A @ 12V

USE

INDOOR / OUTDOOR ❄️ t°min: -40F / -40°C

SAVE

Low Volt start 1V + 2 Step desulfation recovery

IDEAL FOR



8 - 120Ah

CABLE  
ACCESSORIES



# Optimate6

ampmatic

**The world's most advanced fully automatic battery charger**

**TM-181**

**\$119.90**



TESTS before & after charging

Recovers batteries from 0.5V

**Ampmatic** : adjusts to any battery size

**1**

Low Volt Start (0.5V)

**2**

TEST before CHARGE

**3**

Pulse 'wake up'

**4**

Turbo SAVE

**5**

**Ampmatic**  
Pulse SAVE

**6**

**Ampmatic**  
CHARGE

**7**

**Ampmatic**  
OPTIMIZE

**8**

TEST after CHARGE

**9**

OptiMate maintenance

WEATHERPROOF CASE  
with WALL MOUNTS  
❄️ 'ARCTIC' CABLE

CHARGING AMPS

**5A Ampmatic**

USE

INDOOR / OUTDOOR ❄️ t°min: -40F / -40°C

SAVE

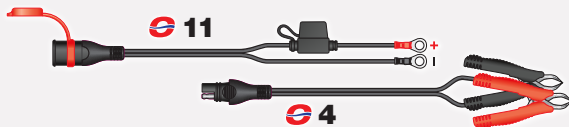
Low Volt start 0.5V + 2 Step desulfation recovery

IDEAL FOR



3 - 240Ah

CABLE ACCESSORIES



# 12V STARTER & DEEP CYCLE

## Optimate6 select

**The world's most advanced battery charger for 12V starter & deep cycle batteries**

Select 14.4V / 14.7V charge modes

Temperature compensated charging

Power supply service mode - 13.6V 4A



**TM-191**

**\$129.90**

WEATHERPROOF CASE  
with WALL MOUNTS  
❄️ 'ARCTIC' CABLE

**1**

Low Volt  
Start (0.5V)

**2**

TEST  
before  
CHARGE

**3**

Pulse  
'wake up'

**4**

Turbo  
SAVE

**5**

**Ampmatic**  
Pulse SAVE

**6**

**Ampmatic**  
CHARGE

**7**

**Ampmatic**  
OPTIMIZE

**8**

TEST after  
CHARGE

**9**

SMART  
OptiMate  
maintenance

**CHARGING AMPS**

**5A Ampmatic @ 14.4V / 14.7V / 4A @ 13.6V**

**USE**

**INDOOR / OUTDOOR** ❄️ t°min: -40F / -40°C

**SAVE**

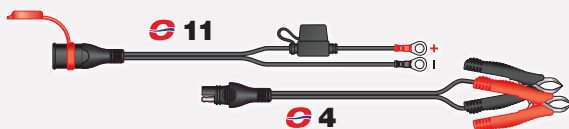
**Low Volt start 0.5V (12V)  
+ 2 Step desulfation recovery**

**IDEAL FOR**



**3 - 240Ah**

**CABLE  
ACCESSORIES**



# 12V STARTER & DEEP CYCLE

**Optimate7**  
select

**The world's most advanced battery charger for 12V starter & deep cycle batteries**

**TM-251**  
**\$179.90**



Select 14.4V / 14.7V charge modes

Temperature compensated charging

Power supply service mode – 13.6V 8A

WEATHERPROOF CASE  
with WALL MOUNTS  
❄️ 'ARCTIC' CABLE

1

Selection

2

Low Volt Start (0.5V)

3

TEST before CHARGE

4

Turbo SAVE

5

Pulse SAVE

6

Controlled CHARGE

7

OPTIMIZE

8

TEST after CHARGE

9

OptiMate maintenance

CHARGING AMPS

10A *Ampmatic* @ 14.4V / 14.7V / 8A @ 13.6V

USE

INDOOR / OUTDOOR ❄️ t°min: -40F / -40°C

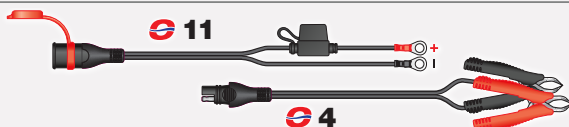
SAVE

Low Volt start 0.5V (12V)  
+ 2 Step desulfation recovery

IDEAL FOR



CABLE ACCESSORIES



## Optimate6 (12V-24V)

**The world's most advanced 12V & 24V charger**

**TM-193**

**\$129.90**



Select 12V 5A / 24V 2.5A modes

Temperature compensated charging

**Ampmatic** : adjusts to any battery size

SAFE! Selected voltage must match battery.

**1**

Volts  
select > Low  
Volt start

**2**

Automatic  
protection

**3**

TEST before  
charge

**4**

**Ampmatic**  
Pulse  
SAVE

**5**

**Ampmatic**  
CHARGE

**6**

**Ampmatic**  
OPTIMIZE

**7**

TEST after  
CHARGE

**8**

SMART  
OptiMate  
maintenance

WEATHERPROOF CASE  
with WALL MOUNTS  
❄️ 'ARCTIC' CABLE

**CHARGING AMPS**

**5A @ 12V / 2.5A @ 24V Ampmatic**

**USE**

INDOOR / OUTDOOR ❄️ t°min: -40F / -40°C

**SAVE**

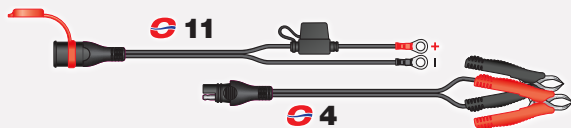
Low Volt start 0.5V (12V)  
+ 1 Step desulfation recovery

**IDEAL FOR**



3 - 200Ah (12V) / 1-100Ah (24V)

**CABLE  
ACCESSORIES**





# 12V/24V STARTER & DEEP CYCLE

## Optimate7 12-24V

**For 12V & 24V batteries  
with accurate temperature  
controlled charging**

**Select 12V 10A / 24V 5A**

Temperature compensated charging

**Ampmatic** : adjusts to any battery size

**SAFE!** Selected voltage must match battery.



**TM-261**  
**\$179.90**

WEATHERPROOF CASE  
with WALL MOUNTS  
❄️ 'ARCTIC' CABLE

**1**

Voltage  
Selection

**2**

Automatic  
Protection

**3**

TEST  
before  
CHARGE

**4**

Low Volt  
Pulse SAVE

**5**

Controlled  
CHARGE

**6**

OPTIMIZE

**7**

TEST after  
CHARGE

**8**

OptiMate  
maintenance

**CHARGING AMPS**

**10A Ampmatic @ 12V / 5A @ 24V**

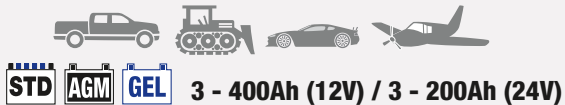
**USE**

**INDOOR / OUTDOOR** ❄️ t°min: -40F / -40°C

**SAVE**

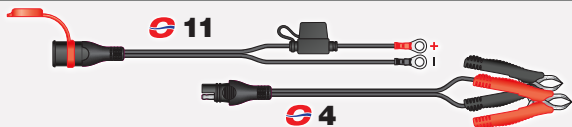
**Low Volt start 0.5V (12V)  
+ 1 Step desulfation recovery**

**IDEAL FOR**



**3 - 400Ah (12V) / 3 - 200Ah (24V)**

**CABLE  
ACCESSORIES**



Guaranteed! : More Battery Power - Longer Battery Life - Saves Your Low Volt Lithium Battery.



Ah

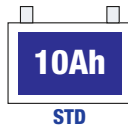


A LITHIUM battery delivers the same cranking amps as the lead-acid battery it replaced, but with 3-4 times less amp-hours.

*A stored vehicle with 'always on' circuitry drain amp-hours out of its battery; a Lithium battery will drain faster.*

COMPARISON:

Battery Size  
that can deliver  
120 CRANKING AMPS.



= 120 C.A.



VOLTS



A LITHIUM Battery's voltage range is higher than lead-acid.

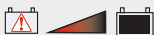
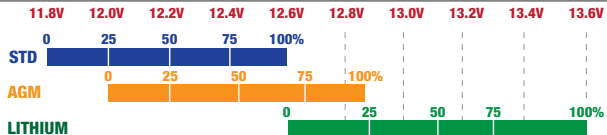
*A lead-acid charger will not fully charge a lithium battery. Vehicle charge system is designed for lower voltage of Lead-Acid; at idle or low RPM a Lithium battery loses charge.*

VOLTS AND % CHARGE:

STD LEAD-ACID

AGM LEAD-ACID

LiFePO<sub>4</sub> LITHIUM



SAVE A FLAT  
BATTERY



A flat LITHIUM battery needs low current to safely recover.

*At low volts lead-acid chargers deliver high current that will damage a Lithium battery.*

CHARGE CURRENT

LEAD-ACID  
AND LITHIUM



CHARGING

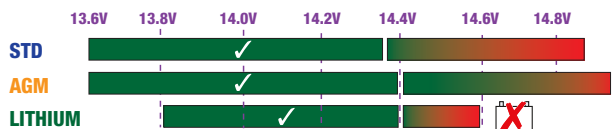


A LITHIUM battery needs accurate voltage charging.

*Voltage higher than 14.6V damages Lithium batteries. Some Lead-Acid chargers deliver more than 14.6V.*

CHARGE VOLTAGE

LEAD-ACID  
AND LITHIUM



**Optimate** **LFP**  
lithium 4s 0.8A

**Unique LiFePO<sub>4</sub>  
battery protection**

LiFePO<sub>4</sub> Low Volt SAVE

Battery BMS auto reset



**TM-471**

**\$64.90**



**1**

Low Volt Start  
(0.5V)

**2**

Ultra LOW  
VOLT SAVE

**3**

LOW VOLT  
SAVE /  
cell monitoring

**4**

TEST - cell  
damage

**5**

Cell-balancing  
CHARGE

**6**

OPTIMIZE

**7**

TEST after  
CHARGE

**8**

OptiMate  
maintenance

WEATHERPROOF CASE  
with WALL MOUNTS

CHARGING AMPS	0.8A
USE	INDOOR / OUTDOOR t°min: -4F / -20°C
SAVE	Low Volt start 0.5V + 3 Step low volt SAVE & TEST
IDEAL FOR	 up to 30Ah
CABLE ACCESSORIES	

**Optimate** **LFP** **x4**  
*lithium* 4s 0.8A QUAD BANK

**Unique LiFePO<sub>4</sub>  
 battery preparation  
 for DEALERS**

**TM-485**

**\$243.90**

Keep batteries 100% ready

4 independent charge banks



WEATHERPROOF CASE  
 with WALL MOUNTS



**1**

Low Volt Start  
 (0.5V)

**2**

Ultra LOW  
 VOLT SAVE

**3**

LOW VOLT  
 SAVE /  
 cell monitoring

**4**

TEST - cell  
 damage

**5**

Cell-balancing  
 CHARGE

**6**

OPTIMIZE

**7**

TEST after  
 CHARGE

**8**

OptiMate  
 maintenance

**CHARGING AMPS**

4 x 0.8A

**USE**

INDOOR / OUTDOOR

t°min: -4F / -20°C

**SAVE**

Low Volt start 0.5V + 3 Step low volt SAVE & TEST

**IDEAL FOR**



up to 30Ah

**CABLE  
 ACCESSORIES  
 (per bank)**



**Optimate** LFP  
lithium 4s 5A

## Ultimate LiFePO<sub>4</sub> professional battery charger

Battery BMS auto reset

Advanced LiFePO<sub>4</sub> low volt SAVE

**Safet**° charge range : -20°C to 45°C

**Ampmatic** : adjusts to any battery size



**TM-291**

**\$129.90**

WEATHERPROOF CASE  
with WALL MOUNTS



**1**

Low Volt Start  
(0.5V)

**2**

TEST before  
charge

**3**

Temperature  
check

**4**

Ultra LOW  
VOLT SAVE

**5**

LOW VOLT  
SAVE /  
cellmonitoring

**6**

TEST - cell  
damage

**7**

Cell-balancing  
CHARGE

**8**

OPTIMIZE

**9**

TEST after  
CHARGE

**10**

OptiMate  
maintenance

CHARGING AMPS

**5A Ampmatic**

USE

INDOOR / OUTDOOR

t°min: -4F / -20°C

SAVE

Low Volt start 0.5V + 3 Step low volt SAVE & TEST

IDEAL FOR



up to 100Ah

CABLE  
ACCESSORIES



**Optimate** lithium **LFP Select**

## The Ultimate LiFePO<sub>4</sub> professional battery charger for 12.8V and 16V batteries



**TM-271**  
**\$179.90**

Battery BMS auto reset

Advanced LiFePO<sub>4</sub> low volt SAVE

**SafeT**<sup>®</sup> charge range : -20°C to 45°C

**Ampmatic** : adjusts to battery size



WEATHERPROOF CASE  
with WALL MOUNTS  
❄️ 'ARCTIC' CABLE

1

Low Volt Start  
(0.5V)

2

TEST before  
charge

3

Temperature  
check

4

Ultra LOW  
VOLT SAVE

5

LOW VOLT  
SAVE /  
cell monitoring

6

TEST - cell  
damage

7

Cell-balancing  
CHARGE

8

OPTIMIZE

9

TEST after  
CHARGE

10

OptiMate  
maintenance

<b>CHARGING AMPS</b>	<b>9.5A Ampmatic @ 12.8V / 7.5A @ 16V</b>
<b>USE</b>	<b>INDOOR / OUTDOOR ❄️ t°min: -40F / -40°C</b>
<b>SAVE</b>	<b>Low Volt start 0.5V + 3 Step low volt SAVE &amp; TEST</b>
<b>IDEAL FOR</b>	 <b>Up to 200Ah</b>
<b>CABLE ACCESSORIES</b>	 <b>11</b> <b>4</b>



**Charge your 12V battery from another 12V battery!**




- Charge without AC power
- Maintain remote battery
- SAVE your 'dead' battery



**TM-500**  
**\$89.90**

WEATHERPROOF CASE  
with WALL MOUNTS  
❄️ ARCTIC™ CABLE

- 1**  
Low Volt Start (1V)
- 2**  
Turbo SAVE
- 3**  
Pulse SAVE
- 4**  
Controlled CHARGE
- 5**  
OPTIMIZE
- 6**  
TEST after CHARGE
- 7**  
OptiMate maintenance

<b>CHARGING AMPS</b>	<b>2A</b>
<b>USE</b>	<b>INDOOR / OUTDOOR</b> ❄️ <b>t°min: -40F / -40°C</b>
<b>SAVE</b>	<b>Low Volt start 1V + 2 Step desulfation recovery</b>
<b>IDEAL FOR</b>	  <b>6 - 96Ah</b>
<b>CABLE ACCESSORIES</b>	

# SOLAR CHARGER WITH PANEL

**Optimate**  
solar

SOLAR CHARGER  
WITH 6W PANEL

12 VOLT

**The world's most efficient 12V solar pulse charge system**

**TM-524**

**\$99.90**

Smart pulse current control

SAVE your 'dead' battery with solar power

Controlled SAFE long term maintenance

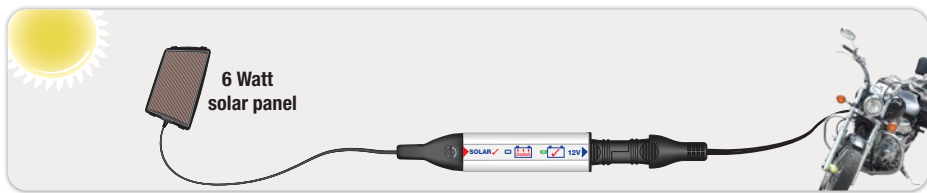
SOLAR POWER OK  
red light on



CHARGING  
red light flashing



MAINTAINING (READY)  
green light flashing



6 Watt solar panel



INCLUDED:  
6W SOLAR PANEL with WEATHERPROOF CASE  
+ MOUNTING HARDWARE  
+ 0-140 12V CHARGE CONTROLLER  
+ CABLE ACCESSORIES

1

TEST solar volts & battery

2



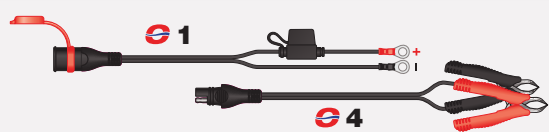
Pulse SAVE (from 1V)

3

Pulse CHARGE

4

OptiMate Pulse maintenance

CHARGING	4 - 5A peak pulse
USE	INDOOR / OUTDOOR t°min: -4F / -20°C
SAVE	Low Volt start 1V Pulse SAVE
IDEAL FOR	  from 2Ah
CABLE ACCESSORIES	



**The world's most efficient 12V solar pulse charger**

**TM-520**

**\$52.90**

Smart pulse current control

SAVE your 'dead' battery with solar power

Controlled SAFE long term maintenance

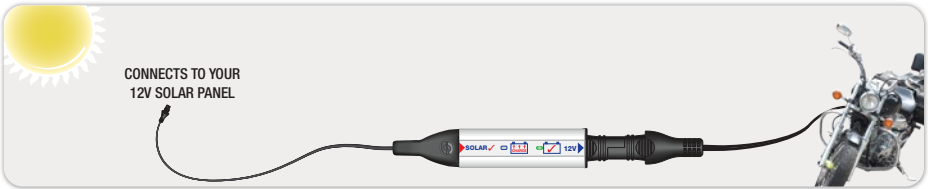
SOLAR POWER OK  
red light on



CHARGING  
red light flashing



MAINTAINING (READY)  
green light flashing



CONNECTS TO YOUR  
12V SOLAR PANEL

INCLUDED:  
+ 0-140 12V CHARGE CONTROLLER  
+ CABLE ACCESSORIES

**1**

TEST  
solar volts  
& battery

**2**



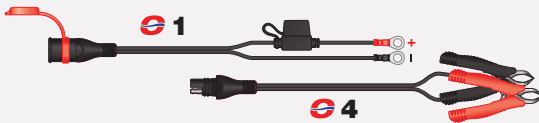
Pulse  
SAVE  
(from 1V)

**3**

Pulse  
CHARGE

**4**

OptiMate  
Pulse  
maintenance

CHARGING	4 - 5A peak pulse
USE	INDOOR / OUTDOOR      t°min: -4F / -20°C
SAVE	Low Volt start 1V Pulse SAVE
IDEAL FOR	  from 2Ah
CABLE ACCESSORIES	

**The world's first 6V solar pulse charger that works from a standard 12V solar panel**

**TM-521**

**\$52.90**

Smart pulse current control

SAVE your 'dead' battery with solar power

Controlled SAFE long term maintenance

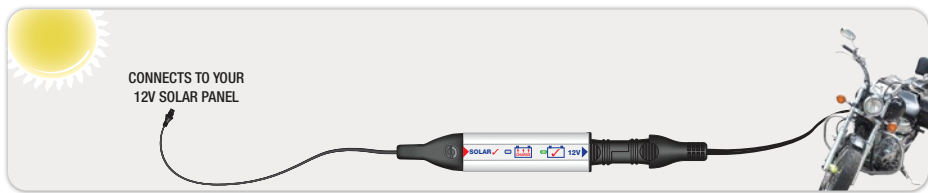
SOLAR POWER OK  
red light on



CHARGING  
red light flashing



MAINTAINING (READY)  
green light flashing



INCLUDED:  
+ 0-141 6V CHARGE CONTROLLER  
+ CABLE ACCESSORIES

**1**

TEST  
solar volts  
& battery

**2**



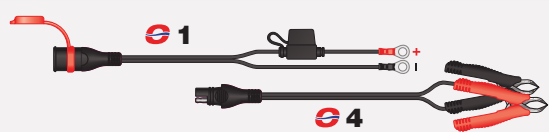
Pulse  
SAVE  
(from 1V)

**3**

Pulse  
CHARGE

**4**

OptiMate  
Pulse  
maintenance

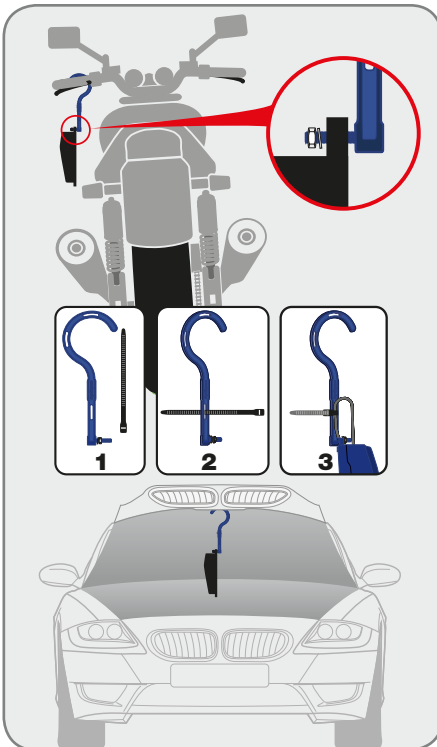
CHARGING	4 - 5A peak pulse
USE	INDOOR / OUTDOOR      t°min: -4F / -20°C
SAVE	Low Volt start 1V Pulse SAVE
IDEAL FOR	  from 2Ah
CABLE ACCESSORIES	

# **Charger HOOK**

**TS-252**

***Keep your charger off the ground  
and in plain view.***

***Supports  
OptiMate 2, 3, 4, 5, 6, 7, Lithium***



# OptiMATE

The Battery Saving  
Charger

GENERAL  
SPECIFICATIONS

## AC POWERED BATTERY CHARGERS

Global AC supply range: 100 - 240Vac 50-60Hz



Tested and conforms to electrical safety and electromagnetic interference requirements for North America (Canada & USA).



Complies with ROHS lead-free regulations.



California Energy Commission listed.

## WARRANTY

Three year product replacement warranty. Find more information at [www.tecmate.com/warranty](http://www.tecmate.com/warranty).

## DESIGN

All OptiMate battery chargers are 100% designed by TecMate.

# OptiMATE

accessories

Find the full range of OptiMate Accessories  
CABLE, USB, LED, battery MONITOR and TESTER at  
[optimateteam.com](http://optimateteam.com)