

## Tecmate TM-181

# TECMATE OptiMATE 6 Ampmatic Battery Charger Instruction Manual

Model: TM-181

Brand: Tecmate

## INTRODUCTION

The OptiMATE 6 Ampmatic is a sophisticated 9-step 12V 5A sealed battery saving charger and maintainer designed to optimize the performance and lifespan of various 12V lead-acid batteries, including AGM, GEL, and STD types. This microprocessor-controlled device automatically diagnoses, recovers, charges, tests, and maintains your battery, ensuring it remains in optimal condition.

It is engineered to save deeply discharged batteries, provide continuous charging tailored to battery size, and offer 24/7 protection against discharge, making it suitable for motorcycles, cars, trucks, marine craft, and RVs.

## SAFETY INFORMATION

Always read and understand all safety warnings and instructions before using the OptiMATE 6 Ampmatic charger. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Use the charger only for 12V lead-acid batteries (AGM, GEL, STD, Starter, Deep Cycle). Do not use for lithium batteries.
- Ensure proper ventilation during charging. Do not operate in a confined area or restrict ventilation.
- Avoid open flames or sparks near the battery. Batteries can produce explosive gases.
- Wear eye protection and protective clothing when working with batteries.
- Disconnect the AC power before making or breaking the connections to the battery.
- Do not expose the charger to rain or excessive moisture. The unit is fully sealed but not designed for submersion.
- Keep out of reach of children.
- If the battery is frozen, do not charge it. Allow it to thaw first.

## WHAT'S IN THE BOX

Upon opening the package, verify that all components are present:

- OptiMATE 6 Ampmatic Battery Charger Unit
- Battery Lead (with SAE connector)
- Battery Clips (alligator clamps)
- Eyelet Terminal Connector (for permanent connection)



Image: The OptiMATE 6 Ampmatic charger shown with its standard accessories, including the main unit, power cord, battery clip leads, and permanent eyelet terminal leads.

## SETUP

Before connecting the charger, ensure the battery is clean and free of corrosion. If necessary, clean the battery terminals.

### 1. Choose Connection Method:

- **Battery Clips:** For temporary connections. Connect the red clip to the positive (+) battery terminal and the black clip to the negative (-) battery terminal.
- **Eyelet Terminal Connector:** For permanent connection to the battery, ideal for long-term maintenance. Secure the red eyelet to the positive (+) terminal and the black eyelet to the negative (-) terminal.

### 2. Connect to Battery:

Ensure the charger is NOT plugged into AC power during this step.



Image: The OptiMATE 6 Ampmatic connected to a small 12V battery using the provided battery clips, demonstrating a typical setup.

For in-vehicle batteries, connect the positive (+) lead first, then the negative (-) lead to the battery or a chassis ground point away from the battery. If disconnecting, reverse the order.

3. **Connect to AC Power:** Plug the charger's AC cord into a standard wall outlet. The charger will automatically begin its diagnostic and charging process.

## OPERATING INSTRUCTIONS

The OptiMATE 6 Ampmatic operates through a fully automatic 9-step program. The LEDs on the unit indicate the current stage of the charging process.





Image: A detailed view of the OptiMATE 6 Ampmatic's top panel, showing the various LED indicators for Test, Save, Charge, and Maintain stages, along with battery type selection.

## Charging Process (9 Steps)

1. **Pre-qualification:** Checks battery voltage and polarity.
2. **Save (0.5V+):** Recovers severely discharged batteries from as low as 0.5V.
3. **Ampmatic Charge:** Delivers current based on battery size and condition, up to 5A.
4. **Absorption:** Brings the battery to full charge.
5. **Voltage Retention Test:** Monitors battery voltage without charging to detect internal issues.
6. **Charge Retention Test:** Checks battery's ability to hold charge.
7. **Maintain (Float):** Provides a constant, low-current charge to keep the battery topped off.
8. **Pulse Maintenance:** Delivers small pulses of charge to prevent self-discharge during long-term connection.
9. **Battery Health Test:** Periodically re-tests the battery to ensure it remains healthy.

## LED Indicators

LED Indicator	Meaning
Green (Test)	Battery is undergoing initial testing or voltage retention test.
Red (Save)	Battery is deeply discharged and undergoing recovery.
Yellow (Charge)	Battery is actively charging.
Green (Maintain)	Battery is fully charged and in maintenance mode.
Red/Yellow/Green (Test/Maintain)	Indicates battery health during maintenance. Green is excellent, Yellow is good, Red indicates a weaker battery.
Reverse Polarity / Fault	Indicates incorrect connection or a severe battery fault.

The charger will automatically proceed through these steps. Once the green "Maintain" LED is solid, the battery is fully charged and can be left connected for long-term maintenance.

## MAINTENANCE

The OptiMATE 6 Ampmatic is designed for minimal maintenance. However, proper care will ensure its longevity and optimal performance.

- **Cleaning:** Disconnect the charger from AC power and the battery before cleaning. Wipe the unit with a dry or slightly damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the charger in a cool, dry place when not in use. Keep cables neatly coiled to prevent damage.
- **Cable Inspection:** Periodically inspect the AC cord, battery leads, and connectors for any signs of damage, fraying, or corrosion. Do not use the charger if any part is damaged.

## TROUBLESHOOTING

If you encounter issues with your OptiMATE 6 Ampmatic, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No LEDs light up.	No AC power; faulty connection.	Check AC outlet and ensure charger is securely plugged in. Verify battery connections.
Reverse polarity LED (if present) or fault indicator lights up.	Incorrect battery connection (positive to negative, etc.).	Disconnect from AC power, then correct the battery connections (red to +, black to -). Reconnect AC power.
Charger stays in "Save" mode for a long time.	Battery is deeply discharged or heavily sulfated.	This is normal for very flat batteries. Allow the charger to continue. If it doesn't progress after 24 hours, the battery may be beyond recovery.
Charger does not reach "Maintain" (Green) LED.	Battery may have an internal fault or short circuit.	The charger's test function may indicate a faulty battery. Consider having the battery professionally tested or replaced.
Charger gets warm during operation.	Normal operation.	This is normal, especially during the bulk charging phase. Ensure adequate ventilation around the unit.

If problems persist after attempting these solutions, contact Tecmate customer support or refer to the full user manual available

online.

SPECIFICATIONS

Feature	Detail
Model	TM-181
Input Voltage	100-240V AC, 50-60Hz
Output Voltage	12 Volts DC
Charging Current	5 Amps (Ampmatic)
Battery Types	12V Lead-Acid (STD, AGM, GEL, Deep Cycle)
Battery Capacity Range	3Ah to 240Ah
Recovery Voltage	Starts from 0.5V
Dimensions (Unit)	Approx. 12.28 x 7.05 x 3.35 inches
Item Weight	Approx. 3 pounds
Enclosure Rating	Fully sealed case (splash-proof)
Safety Compliance	CE certified


WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please refer to the official Tecmate website or the full user guide provided with your product.

You can also find the official user guide PDF [here](#).




For additional product information and support, visit the [Tecmate Store on Amazon](#).

Related Documents

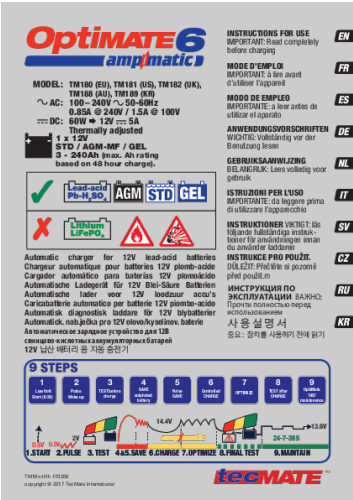


**OptiMate 6**  
ampmatic

**MODEL: TM-181**  
12V, 5 AMP, 5.5A, 6.5A, 8.5A, 10A, 12A, 15A, 20A, 25A, 30A, 35A, 40A, 45A, 50A, 55A, 60A, 65A, 70A, 75A, 80A, 85A, 90A, 95A, 100A, 105A, 110A, 115A, 120A, 125A, 130A, 135A, 140A, 145A, 150A, 155A, 160A, 165A, 170A, 175A, 180A, 185A, 190A, 195A, 200A, 205A, 210A, 215A, 220A, 225A, 230A, 235A, 240A, 245A, 250A, 255A, 260A, 265A, 270A, 275A, 280A, 285A, 290A, 295A, 300A, 305A, 310A, 315A, 320A, 325A, 330A, 335A, 340A, 345A, 350A, 355A, 360A, 365A, 370A, 375A, 380A, 385A, 390A, 395A, 400A, 405A, 410A, 415A, 420A, 425A, 430A, 435A, 440A, 445A, 450A, 455A, 460A, 465A, 470A, 475A, 480A, 485A, 490A, 495A, 500A, 505A, 510A, 515A, 520A, 525A, 530A, 535A, 540A, 545A, 550A, 555A, 560A, 565A, 570A, 575A, 580A, 585A, 590A, 595A, 600A, 605A, 610A, 615A, 620A, 625A, 630A, 635A, 640A, 645A, 650A, 655A, 660A, 665A, 670A, 675A, 680A, 685A, 690A, 695A, 700A, 705A, 710A, 715A, 720A, 725A, 730A, 735A, 740A, 745A, 750A, 755A, 760A, 765A, 770A, 775A, 780A, 785A, 790A, 795A, 800A, 805A, 810A, 815A, 820A, 825A, 830A, 835A, 840A, 845A, 850A, 855A, 860A, 865A, 870A, 875A, 880A, 885A, 890A, 895A, 900A, 905A, 910A, 915A, 920A, 925A, 930A, 935A, 940A, 945A, 950A, 955A, 960A, 965A, 970A, 975A, 980A, 985A, 990A, 995A, 1000A, 1005A, 1010A, 1015A, 1020A, 1025A, 1030A, 1035A, 1040A, 1045A, 1050A, 1055A, 1060A, 1065A, 1070A, 1075A, 1080A, 1085A, 1090A, 1095A, 1100A, 1105A, 1110A, 1115A, 1120A, 1125A, 1130A, 1135A, 1140A, 1145A, 1150A, 1155A, 1160A, 1165A, 1170A, 1175A, 1180A, 1185A, 1190A, 1195A, 1200A, 1205A, 1210A, 1215A, 1220A, 1225A, 1230A, 1235A, 1240A, 1245A, 1250A, 1255A, 1260A, 1265A, 1270A, 1275A, 1280A, 1285A, 1290A, 1295A, 1300A, 1305A, 1310A, 1315A, 1320A, 1325A, 1330A, 1335A, 1340A, 1345A, 1350A, 1355A, 1360A, 1365A, 1370A, 1375A, 1380A, 1385A, 1390A, 1395A, 1400A, 1405A, 1410A, 1415A, 1420A, 1425A, 1430A, 1435A, 1440A, 1445A, 1450A, 1455A, 1460A, 1465A, 1470A, 1475A, 1480A, 1485A, 1490A, 1495A, 1500A, 1505A, 1510A, 1515A, 1520A, 1525A, 1530A, 1535A, 1540A, 1545A, 1550A, 1555A, 1560A, 1565A, 1570A, 1575A, 1580A, 1585A, 1590A, 1595A, 1600A, 1605A, 1610A, 1615A, 1620A, 1625A, 1630A, 1635A, 1640A, 1645A, 1650A, 1655A, 1660A, 1665A, 1670A, 1675A, 1680A, 1685A, 1690A, 1695A, 1700A, 1705A, 1710A, 1715A, 1720A, 1725A, 1730A, 1735A, 1740A, 1745A, 1750A, 1755A, 1760A, 1765A, 1770A, 1775A, 1780A, 1785A, 1790A, 1795A, 1800A, 1805A, 1810A, 1815A, 1820A, 1825A, 1830A, 1835A, 1840A, 1845A, 1850A, 1855A, 1860A, 1865A, 1870A, 1875A, 1880A, 1885A, 1890A, 1895A, 1900A, 1905A, 1910A, 1915A, 1920A, 1925A, 1930A, 1935A, 1940A, 1945A, 1950A, 1955A, 1960A, 1965A, 1970A, 1975A, 1980A, 1985A, 1990A, 1995A, 2000A, 2005A, 2010A, 2015A, 2020A, 2025A, 2030A, 2035A, 2040A, 2045A, 2050A, 2055A, 2060A, 2065A, 2070A, 2075A, 2080A, 2085A, 2090A, 2095A, 2100A, 2105A, 2110A, 2115A, 2120A, 2125A, 2130A, 2135A, 2140A, 2145A, 2150A, 2155A, 2160A, 2165A, 2170A, 2175A, 2180A, 2185A, 2190A, 2195A, 2200A, 2205A, 2210A, 2215A, 2220A, 2225A, 2230A, 2235A, 2240A, 2245A, 2250A, 2255A, 2260A, 2265A, 2270A, 2275A, 2280A, 2285A, 2290A, 2295A, 2300A, 2305A, 2310A, 2315A, 2320A, 2325A, 2330A, 2335A, 2340A, 2345A, 2350A, 2355A, 2360A, 2365A, 2370A, 2375A, 2380A, 2385A, 2390A, 2395A, 2400A, 2405A, 2410A, 2415A, 2420A, 2425A, 2430A, 2435A, 2440A, 2445A, 2450A, 2455A, 2460A, 2465A, 2470A, 2475A, 2480A, 2485A, 2490A, 2495A, 2500A, 2505A, 2510A, 2515A, 2520A, 2525A, 2530A, 2535A, 2540A, 2545A, 2550A, 2555A, 2560A, 2565A, 2570A, 2575A, 2580A, 2585A, 2590A, 2595A, 2600A, 2605A, 2610A, 2615A, 2620A, 2625A, 2630A, 2635A, 2640A, 2645A, 2650A, 2655A, 2660A, 2665A, 2670A, 2675A, 2680A, 2685A, 2690A, 2695A, 2700A, 2705A, 2710A, 2715A, 2720A, 2725A, 2730A, 2735A, 2740A, 2745A, 2750A, 2755A, 2760A, 2765A, 2770A, 2775A, 2780A, 2785A, 2790A, 2795A, 2800A, 2805A, 2810A, 2815A, 2820A, 2825A, 2830A, 2835A, 2840A, 2845A, 2850A, 2855A, 2860A, 2865A, 2870A, 2875A, 2880A, 2885A, 2890A, 2895A, 2900A, 2905A, 2910A, 2915A, 2920A, 2925A, 2930A, 2935A, 2940A, 2945A, 2950A, 2955A, 2960A, 2965A, 2970A, 2975A, 2980A, 2985A, 2990A, 2995A, 3000A, 3005A, 3010A, 3015A, 3020A, 3025A, 3030A, 3035A, 3040A, 3045A, 3050A, 3055A, 3060A, 3065A, 3070A, 3075A, 3080A, 3085A, 3090A, 3095A, 3100A, 3105A, 3110A, 3115A, 3120A, 3125A, 3130A, 3135A, 3140A, 3145A, 3150A, 3155A, 3160A, 3165A, 3170A, 3175A, 3180A, 3185A, 3190A, 3195A, 3200A, 3205A, 3210A, 3215A, 3220A, 3225A, 3230A, 3235A, 3240A, 3245A, 3250A, 3255A, 3260A, 3265A, 3270A, 3275A, 3280A, 3285A, 3290A, 3295A, 3300A, 3305A, 3310A, 3315A, 3320A, 3325A, 3330A, 3335A, 3340A, 3345A, 3350A, 3355A, 3360A, 3365A, 3370A, 3375A, 3380A, 3385A, 3390A, 3395A, 3400A, 3405A, 3410A, 3415A, 3420A, 3425A, 3430A, 3435A, 3440A, 3445A, 3450A, 3455A, 3460A, 3465A, 3470A, 3475A, 3480A, 3485A, 3490A, 3495A, 3500A, 3505A, 3510A, 3515A, 3520A, 3525A, 3530A, 3535A, 3540A, 3545A, 3550A, 3555A, 3560A, 3565A, 3570A, 3575A, 3580A, 3585A, 3590A, 3595A, 3600A, 3605A, 3610A, 3615A, 3620A, 3625A, 3630A, 3635A, 3640A, 3645A, 3650A, 3655A, 3660A, 3665A, 3670A, 3675A, 3680A, 3685A, 3690A, 3695A, 3700A, 3705A, 3710A, 3715A, 3720A, 3725A, 3730A, 3735A, 3740A, 3745A, 3750A, 3755A, 3760A, 3765A, 3770A, 3775A, 3780A, 3785A, 3790A, 3795A, 3800A, 3805A, 3810A, 3815A, 3820A, 3825A, 3830A, 3835A, 3840A, 3845A, 3850A, 3855A, 3860A, 3865A, 3870A, 3875A, 3880A, 3885A, 3890A, 3895A, 3900A, 3905A, 3910A, 3915A, 3920A, 3925A, 3930A, 3935A, 3940A, 3945A, 3950A, 3955A, 3960A, 3965A, 3970A, 3975A, 3980A, 3985A, 3990A, 3995A, 4000A, 4005A, 4010A, 4015A, 4020A, 4025A, 4030A, 4035A, 4040A, 4045A, 4050A, 4055A, 4060A, 4065A, 4070A, 4075A, 4080A, 4085A, 4090A, 4095A, 4100A, 4105A, 4110A, 4115A, 4120A, 4125A, 4130A, 4135A, 4140A, 4145A, 4150A, 4155A, 4160A, 4165A, 4170A, 4175A, 4180A, 4185A, 4190A, 4195A, 4200A, 4205A, 4210A, 4215A, 4220A, 4225A, 4230A, 4235A, 4240A, 4245A, 4250A, 4255A, 4260A, 4265A, 4270A, 4275A, 4280A, 4285A, 4290A, 4295A, 4300A, 4305A, 4310A, 4315A, 4320A, 4325A, 4330A, 4335A, 4340A, 4345A, 4350A, 4355A, 4360A, 4365A, 4370A, 4375A, 4380A, 4385A, 4390A, 4395A, 4400A, 4405A, 4410A, 4415A, 4420A, 4425A, 4430A, 4435A, 4440A, 4445A, 4450A, 4455A, 4460A, 4465A, 4470A, 4475A, 4480A, 4485A, 4490A, 4495A, 4500A, 4505A, 4510A, 4515A, 4520A, 4525A, 4530A, 4535A, 4540A, 4545A, 4550A, 4555A, 4560A, 4565A, 4570A, 4575A, 4580A, 4585A, 4590A, 4595A, 4600A, 4605A, 4610A, 4615A, 4620A, 4625A, 4630A, 4635A, 4640A, 4645A, 4650A, 4655A, 4660A, 4665A, 4670A, 4675A, 4680A, 4685A, 4690A, 4695A, 4700A, 4705A, 4710A, 4715A, 4720A, 4725A, 4730A, 4735A, 4740A, 4745A, 4750A, 4755A, 4760A, 4765A, 4770A, 4775A, 4780A, 4785A, 4790A, 4795A, 4800A, 4805A, 4810A, 4815A, 4820A, 4825A, 4830A, 4835A, 4840A, 4845A, 4850A, 4855A, 4860A, 4865A, 4870A, 4875A, 4880A, 4885A, 4890A, 4895A, 4900A, 4905A, 4910A, 4915A, 4920A, 4925A, 4930A, 4935A, 4940A, 4945A, 4950A, 4955A, 4960A, 4965A, 4970A, 4975A, 4980A, 4985A, 4990A, 4995A, 5000A, 5005A, 5010A, 5015A, 5020A, 5025A, 5030A, 5035A, 5040A, 5045A, 5050A, 5055A, 5060A, 5065A, 5070A, 5075A, 5080A, 5085A, 5090A, 5095A, 5100A, 5105A, 5110A, 5115A, 5120A, 5125A, 5130A, 5135A, 5140A, 5145A, 5150A, 5155A, 5160A, 5165A, 5170A, 5175A, 5180A, 5185A, 5190A, 5195A, 5200A, 5205A, 5210A, 5215A, 5220A, 5225A, 5230A, 5235A, 5240A, 5245A, 5250A, 5255A, 5260A, 5265A, 5270A, 5275A, 5280A, 5285A, 5290A, 5295A, 5300A, 5305A, 5310A, 5315A, 5320A, 5325A, 5330A, 5335A, 5340A, 5345A, 5350A, 5355A, 5360A, 5365A, 5370A, 5375A, 5380A, 5385A, 5390A, 5395A, 5400A, 5405A, 5410A, 5415A, 5420A, 5425A, 5430A, 5435A, 5440A, 5445A, 5450A, 5455A, 5460A, 5465A, 5470A, 5475A, 5480A, 5485A, 5490A, 5495A, 5500A, 5505A, 5510A, 5515A, 5520A, 5525A, 5530A, 5535A, 5540A, 5545A, 5550A, 5555A, 5560A, 5565A, 5570A, 5575A, 5580A, 5585A, 5590A, 5595A, 5600A, 5605A, 5610A, 5615A, 5620A, 5625A, 5630A, 5635A, 5640A, 5645A, 5650A, 5655A, 5660A, 5665A, 5670A, 5675A, 5680A, 5685A, 5690A, 5695A, 5700A, 5705A, 5710A, 5715A, 5720A, 5725A, 5730A, 5735A, 5740A, 5745A, 5750A, 5755A, 5760A, 5765A, 5770A, 5775A, 5780A, 5785A, 5790A, 5795A, 5800A, 5805A, 5810A, 5815A, 5820A, 5825A, 5830A, 5835A, 5840A, 5845A, 5850A, 5855A, 5860A, 5865A, 5870A, 5875A, 5880A, 5885A, 5890A, 5895A, 5900A, 5905A, 5910A, 5915A, 5920A, 5925A, 5930A, 5935A, 5940A, 5945A, 5950A, 5955A, 5960A, 5965A, 5970A, 5975A, 5980A, 5985A, 5990A, 5995A, 6000A, 6005A, 6010A, 6015A, 6020A, 6025A, 6030A, 6035A, 6040A, 6045A, 6050A, 6055A, 6060A, 6065A, 6070A, 6075A, 6080A, 6085A, 6090A, 6095A, 6100A, 6105A, 6110A, 6115A, 6120A, 6125A, 6130A, 6135A, 6140A, 6145A, 6150A, 6155A, 6160A, 6165A, 6170A, 6175A, 6180A, 6185A, 6190A, 6195A, 6200A, 6205A, 6210A, 6215A, 6220A, 6225A, 6230A, 6235A, 6240A, 6245A, 6250A, 6255A, 6260A, 6265A, 6270A, 6275A, 6280A, 6285A, 6290A, 6295A, 6300A, 6305A, 6310A, 6315A, 6320A, 6325A, 6330A, 6335A, 6340A, 6345A, 6350A, 6355A, 6360A, 6365A, 6370A, 6375A, 6380A, 6385A, 6390A, 6395A, 6400A, 6405A, 6410A, 6415A, 6420A, 6425A, 6430A, 6435A, 6440A, 6445A, 6450A, 6455A, 6460A, 6465A, 6470A, 6475A, 6480A, 6485A, 6490A, 6495A, 6500A, 6505A, 6510A, 6515A, 6520A, 6525A, 6530A, 6535A, 6540A, 6545A, 6550A, 6555A, 6560A, 6565A, 6570A, 6575A, 6580A, 6585A, 6590A, 6595A, 6600A, 6605A, 6610A, 6615A, 6620A, 6625A, 6630A, 6635A, 6640A, 6645A, 6650A, 6655A, 6660A, 6665A, 6670A, 6675A, 6680A, 6685A, 6690A, 6695A, 6700A, 6705A, 6710A, 6715A, 6720A, 6725A, 6730A, 6735A, 6740A, 6745A, 6750A, 6755A, 6760A, 6765A, 6770A, 6775A, 6780A, 6785A, 6790A, 6795A, 6800A, 6805A, 6810A, 6815A, 6820A, 6825A, 6830A, 6835A, 6840A, 6845A, 6850A, 6855A, 6860A, 6865A, 6870A, 6875A, 6880A, 6885A, 6890A, 6895A, 6900A, 6905A, 6910A, 6915A, 6920A, 6925A, 6930A, 6935A, 6940A, 6945A, 6950A, 6955A, 6960A, 6965A, 6970A, 6975A, 6980A, 6985A, 6990A, 6995A, 7000A, 7005A, 7010A, 7015A, 7020A, 7025A, 7030A, 7035A, 7040A, 7045A, 7050A, 7055A, 7060A, 7065A, 7070A, 7075A, 7080A, 7085A, 7090A, 7095A, 7100A, 7105A, 7110A, 7115A, 7120A, 7125A, 7130A, 7135A, 7140A, 7145A, 7150A, 7155A, 7160A, 7165A, 7170A, 7175A, 7180A, 7185A, 7190A, 7195A, 7200A, 7205A, 7210A, 7215A, 7220A, 7225A, 7230A, 7235A, 7240A, 7245A, 7250A, 7255A, 7260A, 7265A, 7270A, 7275A, 7280A, 7285A, 7290A, 7295A, 7300A, 7305A, 7310A, 7315A, 7320A, 7325A, 7330A, 7335A, 7340A, 7345A, 7350A, 7355A, 7360A, 7365A, 7370A, 7375A, 7380A, 7385A, 7390A, 7395A, 7400A, 7405A, 7410A, 7415A, 7420A, 7425A, 7430A, 7435A, 7440A, 7445A, 7450A, 7455A, 7460A, 7465A, 7470A, 7475A, 7480A, 7485A, 7490A, 7495A, 7500A, 7505A, 7510A, 7515A, 7520A, 7525A, 7530A, 7535A, 7540A, 7545A, 7550A, 7555A, 7560A, 7565A, 7570A, 7575A, 7580A, 7585A, 7590A, 7595A, 7600A, 7605A, 7610A, 7615A, 7620A, 7625A, 7630A, 7635A, 7640A, 7645A, 7650A, 7655A, 7660A, 7665A, 7670A, 7675A, 7680A, 7685A, 7690A, 7695A, 7700A, 7705A, 7710A, 7715A, 7720A, 7725A, 7730A, 7735A, 7740A, 7745A, 7750A, 7755A, 7760A, 7765A, 7770A, 7775A, 7780A, 7785A, 7790A, 7795A, 7800A, 7805A, 7810A, 7815A, 7820A, 7825A, 7830A, 7835A, 7840A, 7845A, 7850A, 7855A, 7860A, 7865A, 7870A, 7875A, 7880A, 7885A, 7890A, 7895A, 7900A, 7905A, 7910A, 7915A, 7920A, 7925A, 7930A, 7935A, 7940A, 7945A, 7950A, 7955A, 7960A, 7965A, 7970A, 7975A, 7980A, 7985A, 7990A, 7995A, 8000A, 8005A, 8010A, 8015A, 8020A, 8025A, 8030A, 8035A, 8040A, 8045A, 8050A, 8055A, 8060A, 8065A, 8070A, 8075A, 8080A, 8085A, 8090A, 8095A, 8100A, 8105A, 8110A, 8115A, 8120A, 8125A, 8130A, 8135A, 8140A, 8145A, 8150A, 8155A, 8160A, 8165A, 8170A, 8175A, 8180A, 8185A, 8190A, 8195A, 8200A, 8205A, 8210A, 8215A, 8220A, 8225A, 8230A, 8235A, 8240A, 8245A, 8250A, 8255A, 8260A, 8265A, 8270A, 8275A, 8280A, 8285A, 8290A, 8295A, 8300A, 8305A, 8310A, 8315A, 8320A, 8325A, 8330A, 8335A, 8340A, 8345A, 8350A, 8355A, 8360A, 8365A, 8370A, 8375A, 8380A, 8385A, 8390A, 8395A, 8400A, 8405A, 8410A, 8415A, 8420A, 8425A, 8430A, 8435A, 8440A, 8445A, 8450A, 845

	<p><a href="#">TecMate OptiMATE 4 Automatic Battery Charger User Manual</a></p> <p>Comprehensive guide to using the TecMate OptiMATE 4 automatic diagnostic battery charger for 12V lead-acid batteries. Includes instructions, safety precautions, program details, and warranty information.</p>
	<p><a href="#">OptiMATE 4 Dual Program Battery Charger User Manual</a></p> <p>Comprehensive user manual for the TecMate OptiMATE 4 Dual Program battery charger, detailing operation, safety instructions, and diagnostics for 12V lead-acid batteries. Supports STD, AGM, MF, and GEL types.</p>
	<p><a href="#">OptiMATE 7 12V 10A Automatic Battery Charger - User Manual</a></p> <p>Comprehensive user manual and safety instructions for the TecMate OptiMATE 7 automatic battery charger. Covers operation, maintenance, and safety precautions for 12V lead-acid batteries.</p>

Documents - Tecmate – TM-181



[pdf] Guide

untitled TECMATE OptiMATE 6 Ampmatic TM 181 9 step 12V 5A sealed battery saving charger maintainerTM User Guide Tecmate TecMate maintainer B0931Q5RRRA11iH8ckKrLm media amazon images I A11iH8ckKrL ||| ... lang: score:27 filesize: 1.03 M page\_count: 48 document date: 2018-06-20

**tecMATE** MAR 2019

**PRICELIST**

**PARTS UNLIMITED** **DRAG Specialties**

**CONTACTS:**

Toll Free: 1 (844) 337-2095  
Office: 1 (905) 337-2095

**Shirley Noel** – In-house SALES & Operations Manager  
shirleynoe@tecmate.com

**Paul L. Bleah** – SERVICE / Warranty Assessment  
lohkoahbleah@tecmate.com

**Jonathan Cortese** – Marketing – SALES SUPPORT (offers / docs / web)  
jonathancortese@tecmate.com

**Mikey Taylor** – Outside SALES : Dealer Engagement  
Cell: (334) 332-8075  
mikeytaylor@tecmate.com

**Martin Human** – President SALES TMNA & CEO TecMate Group  
Cell: (905) 399-6087  
martinhuman@tecmate.com

**Subscribe** to our YouTube channel to see what's new and for online product training videos

**YouTube = TecMate1**

tecmate.com - dealer site  
optimate1.com - consumer site  
optimate1.com/lemans - rep site

[\[pdf\]](#) Warranty Price List

Untitled Toll Free 1 844 337 2095 Office 905 OptiMate PRICELIST CONTACTS MONITOR 12V LEAD ACID STD AGM GEL O 124 4 rings to SAE 3807 0317 \$19 89 125 0318 \$17 90 126 Auto Plug 0394 Ofce Shirley Noel In house SALES Operations Manager shirleynoe@tecmate Paul L Bleah SERVICE Warranty OM LeMans PRICE LIST 190326 2 mobile optimate1 2019 11 |||

MAR 2019 PRICELIST CONTACTS: Toll Free: 1 844 337-2095 Office: 1 905 337-2095 Shirley Noel In-h ... More efficient, now delivers 1 Amp. TM-223 OptiMate 5 VoltMatic 6V 4A/12V 2.8A 3807-0264 94.89 **TM-181** OptiMate 6 AmpMatic 5A 3807-0137 120.89 12V ADVANCED - SELECT 14.4V / 14.7V / Power-Supply...

lang:en score:14 filesize: 911.14 K page\_count: 6 document date: 2019-12-18

[\[pdf\]](#) Price List

High Performance Battery Chargers PRO DEALER OptiMate ITEM PRODUCT No MSRP EXTENDER SAE to O 03 180cm 6ft 3807 0163 \$10 39 13 460cm 15ft 0172 \$12 89 23 40° rated 10A 0336\$22 TS 110 CarbMATE 2 cylinder 3804 0023 \$144 90 Updated incl soft holster 223 Soft Holster for CarbMate 0019 tecmate dealer site OM LeMans PRICE LIST 200219 optimate1 2020 02 |||

FEB 2020 PRICELIST CONTACTS: Toll Free: 1 844 337-2095 Office: 1 905 337-2095 Shirley Noel In-h ... More efficient, now delivers 1 Amp. TM-223 OptiMate 5 VoltMatic 6V 4A/12V 2.8A 3807-0264 94.89 **TM-181** OptiMate 6 AmpMatic 5A 3807-0137 120.89 12V ADVANCED - SELECT 14.4V / 14.7V / Power-Supply...

lang:en score:14 filesize: 1.45 M page\_count: 2 document date: 2020-02-25

**tecMATE** FEB 2020

**PRICELIST**

**PARTS UNLIMITED** **DRAG Specialties**

**CONTACTS:**

Toll Free: 1 (844) 337-2095  
Office: 1 (905) 337-2095

**Shirley Noel** – In-house SALES & Operations Manager  
shirleynoe@tecmate.com

**Paul L. Bleah** – SERVICE / Warranty Assessment  
lohkoahbleah@tecmate.com

**Jonathan Cortese** – Marketing – SALES SUPPORT (offers / docs / web)  
jonathancortese@tecmate.com

**Mikey Taylor** – Outside SALES : Dealer Engagement  
Cell: (334) 332-8075  
mikeytaylor@tecmate.com

**Martin Human** – President SALES TMNA & CEO TecMate Group  
Cell: (905) 399-6087  
martinhuman@tecmate.com

**Subscribe** to our YouTube channel to see what's new and for online product training videos

**YouTube = TecMate1**

tecmate.com - dealer site  
optimate1.com - consumer site  
optimate1.com/lemans - rep site

[\[pdf\]](#) Specifications

TecMate Battery Chargers and Jump Starters Specifications battery chargers jump starters boosters trickle maintainers automatic desulfating cables clamps spreaders brushes lifters hydrometers portable wheeled pocket adapters pullers testers analyzers diagnostic memory CARiD tm 181 specifications images carid tecmate products |||

New technology for 12V automotive and marine battery care Saves neglected batteries other chargers can t Optimizes battery power and life 24/7 automatic storage control Early warning of battery problems ampmaticTMcurrent control with cell equalization The new OptiMateTM6 ampmaticTM is the world s m...

lang:en score:12 filesize: 285.28 K page\_count: 2 document date: 2016-07-23

**Optimate6 ampmatic** **tecMATE**

**New technology for 12V automotive and marine battery care**

**Saves neglected batteries other chargers can't**

**Optimizes battery power and life**

**24/7 automatic storage control**

**Early warning of battery problems**

**ampmatic™ current control with cell equalization**

The new **OptiMate™ 6 ampmatic™** is the world's most advanced and versatile battery charger, maintainer and booster. All in one unit, which is stylish and robust in a weatherproof enclosure that includes seal mounts and cables rated down to -40°F/C, specifically for users in the water & snow markets.

Each time you connect the **OptiMate 6** to a battery the microprocessor automatically diagnoses the condition and automatically chooses the best charge current & program. **OptiMate 6** is also the currently available & charge new sealed batteries where the user is adding the acid pack to the battery. This enhanced multi-stage version of the accelerated OptiMate desulfation program will automatically "dose many" "dosed" batteries. The auto friendly program ensures low power consumption while keeping your battery maintained fully charged and safe, month after month, prolonging it's life by up to 400%.

**OptiMate 6. Battery performance guaranteed!**

1. 12V 2. 12V 3. 12V 4. 12V 5. 12V 6. 12V 7. 12V 8. 12V 9. 12V



**LeMans 190325 2 Optimate1 2019 11**

**PRICELIST**

**CONTACTS**

Toll Free: 1 844 337-2095  
Office: 1 905 337-2095

Shirley Noel - In-h ... More efficient, now delivers 1 Amp. TM-223 OptiMate 5 VoltMatic 6V 4A/12V 2.8A 3807-0264 94.89 **TM-181** OptiMate 6 AmpMatic 5A 3807-0137 120.89 12V ADVANCED - SELECT 14.4V / 14.7V / Power-Supply...

lang:en score:10 filesize: 1.42 M page\_count: 2 document date: 2019-12-18

[pdf] Warranty Price List

Untitled PRO DEALER OM LeMans PRICE LIST 190325 2 optimate1 2019 11 |||

MAR 2019 PRICELIST CONTACTS: Toll Free: 1 844 337-2095 Office: 1 905 337-2095 Shirley Noel In-h ... More efficient, now delivers 1 Amp. TM-223 OptiMate 5 VoltMatic 6V 4A/12V 2.8A 3807-0264 94.89 **TM-181** OptiMate 6 AmpMatic 5A 3807-0137 120.89 12V ADVANCED - SELECT 14.4V / 14.7V / Power-Supply...

lang:en score:10 filesize: 1.42 M page\_count: 2 document date: 2019-12-18

**LeMans 200127 Optimate1 2020 02**

**PRICELIST**

**CONTACTS**

Toll Free: 1 844 337-2095  
Office: 1 905 337-2095

Shirley Noel In-h ... More efficient, now delivers 1 Amp. TM-223 OptiMate 5 VoltMatic 6V 4A/12V 2.8A 3807-0264 94.89 **TM-181** OptiMate 6 AmpMatic 5A 3807-0137 120.89 12V ADVANCED - SELECT 14.4V / 14.7V / Power-Supply...

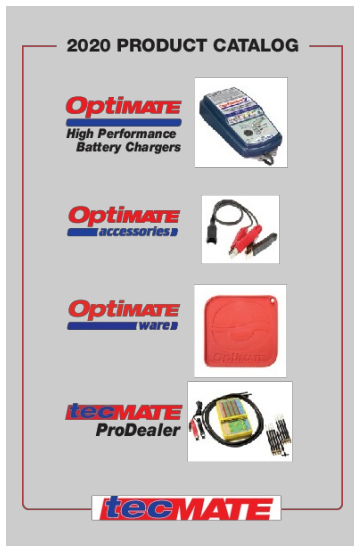
lang:en score:10 filesize: 1.45 M page\_count: 2 document date: 2020-01-29

[pdf] Price List

PRO DEALER OptiMate TA 550 Handlebar Hang Tags 9905 0094 FREE TS 251 Kickstand puck 3804 0017 SAE 3807 0175 \$11 89 O 16 BIKE DIN 0176 OM LeMans PRICE LIST 200127 optimate1 2020 02 |||

FEB 2020 PRICELIST CONTACTS: Toll Free: 1 844 337-2095 Office: 1 905 337-2095 Shirley Noel In-h ... More efficient, now delivers 1 Amp. TM-223 OptiMate 5 VoltMatic 6V 4A/12V 2.8A 3807-0264 94.89 **TM-181** OptiMate 6 AmpMatic 5A 3807-0137 120.89 12V ADVANCED - SELECT 14.4V / 14.7V / Power-Supply...

lang:en score:10 filesize: 1.45 M page\_count: 2 document date: 2020-01-29

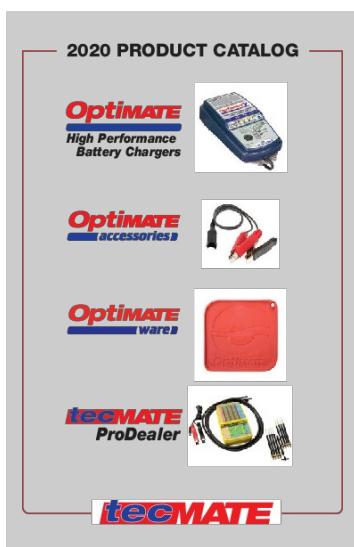


[pdf] Accessories Borchure Catalog

OptiMate 4s 5A Product Brochure Optimate 4S Tm 290 10 Step 12 8V 13 2V Lithium Battery Charger 2 100Ah Maintainer Recovery catalog autosupply co za 2021 02 |||

2020 PRODUCT CATALOG High Performance Battery Chargers ProDealer Table of Contents OptiMate Batter ... Low Volt start 0.5V 2 Step desulfation recovery IDEAL FOR 3 - 240AH PART No. 14 EU TM-180 US **TM-181** UK TM-182 JP TM-187 AU TM-188 KR TM-189 optimate1.com CHARGERS AUTO, MARINE RV 12V 10A...

lang:en score:9 filesize: 11.09 M page\_count: 56 document date: 2019-12-24



[pdf] Datasheet Accessories Catalog

Untitled Optimate Range 2 DUO 12V 2A Motorcycle Smart Battery Charger cdn tayna datasheets |||

2020 PRODUCT CATALOG High Performance Battery Chargers ProDealer Table of Contents OptiMate Batter ... Low Volt start 0.5V 2 Step desulfation recovery IDEAL FOR 3 - 240AH PART No. 14 EU TM-180 US **TM-181** UK TM-182 JP TM-187 AU TM-188 KR TM-189 optimate1.com CHARGERS AUTO, MARINE RV 12V 10A...

lang:en score:9 filesize: 3.49 M page\_count: 56 document date: 2022-11-30

## 2020 PRODUCT CATALOG

**OptiMATE**  
High Performance  
Battery Chargers



**OptiMATE**  
accessories



**OptiMATE**  
ware



**tecMATE**  
ProDealer



**tecMATE**

### [\[pdf\]](#) Accessories Catalog

OptiMate Battery Chargers Jump Starters Catalog battery chargers jump starters CARiD optimate product catalog images carid info |||

2020 PRODUCT CATALOG High Performance Battery Chargers ProDealer Table of Contents OptiMate Batter ... Low Volt start 0.5V 2 Step desulfation recovery IDEAL FOR 3 - 240AH PART No. 14 EU TM-180 US **TM-181** UK TM-182 JP TM-187 AU TM-188 KR TM-189 CHARGERS AUTO, MARINE RV 12V 10A OptiMate 7 Am...  
lang:en score:9 filesize: 3.72 M page\_count: 56 document date: 2020-05-29