

tecMATE

Since 1994!

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Battery Testers

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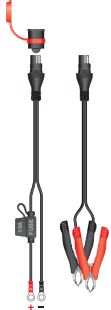

CarbmATE

PREFIX: TEC

e.g. **TECTM85 / TEC06**









BATTERY CHARGERS

OptiMATE
The Battery Saving
Charger

PRODUCT SKU (PREFIX : TEC)	MSRP	DESCRIPTION	BANKS	BATTERY VOLTS	CHARGE AMPS	STEPS	SAVE MODE
OptiMate 1 STANDARD TM85		OptiMate 1, 12V Battery Maintainer	1	12V	0.9A	3	Low Volt Start 8V
				<p>Cost effective 12V battery maintenance! 24/7 Safe long term battery care – Maintain any type 12 volt lead-acid battery without overcharging.</p>		<p>IDEAL FOR:</p>  <p>STD AGM GEL 2 - 50Ah</p> <p>USE: INDOOR t°min: -4°F/-20°C</p>	
				AC supply: 110-120V 60Hz		Plug in case, vented	
				NOT FOR SALE IN CALIFORNIA			
OptiMate 1 GLOBAL TM401		OptiMate 1 Automatic charger /maintainer	1	12V	0.6A	4	Low Volt Start 4V
				<p>Smart 12V battery maintenance! Smart voltage & current control. 24/7 Safe long term battery care. OptiMate 24/7 maintenance with desulfation pulse.</p>		<p>IDEAL FOR:</p>  <p>STD AGM GEL 2 - 30Ah</p> <p>USE: INDOOR t°min: -4°F/-20°C</p>	
				AC supply: 100-240V 50-60Hz		Plug in case, dustproof	
				High efficiency (CEC listed)			
OptiMate 2 TM421		OptiMate 2, Smart Battery Charger	1	12V	0.8A	4	Low Volt Start 2V
				<p>Advanced 12V battery maintenance! Smart voltage & current control. Charge flat batteries from 2 Volt. OptiMate 24/7 maintenance with desulfation pulse.</p>		<p>IDEAL FOR:</p>  <p>STD AGM GEL 3 - 96Ah</p> <p>USE: INDOOR/OUTDOOR t°min: -4°F/-20°C</p>	
				AC supply: 100-240V 50-60Hz		Weatherproof case with wall mounts	
				High efficiency (CEC listed)			
OptiMate 3 TM431		OptiMate 3, 12V Battery Saving Charger	1	12V	0.8A	7	Low Volt Start 2V 2 step desulfation recovery
				<p>Most Trusted battery charger in power sport / small engine. Recovers sulfated batteries. Test after charging. OptiMate 24/7 maintenance with desulfation pulse.</p>		<p>IDEAL FOR:</p>  <p>STD AGM GEL 3 - 50Ah</p> <p>USE: INDOOR/OUTDOOR t°min: -4°F/-20°C</p>	
				AC supply: 100-240V 50-60Hz		Weatherproof case with wall mounts	
				High efficiency (CEC listed)			

BATTERY CHARGERS













OptiMATE
The Battery Saving
Charger






PRODUCT SKU (PREFIX : TEC)	MSRP	DESCRIPTION	BANKS	BATTERY VOLTS	CHARGE AMPS	STEPS	SAVE MODE
OptiMate 3 DUAL x2 bank TM451		OptiMate 2-Bank Battery Saving Charger	2	12V	0.8A	7	Low Volt Start 2V 2 step desulfation recovery
		OptiMate 3 multibank - 2 independent charge banks. Recovers sulfated batteries. Tests after charging. OptiMate 24/7 maintenance with desulfation pulse.		IDEAL FOR:  STD AGM GEL 3 - 50Ah USE: INDOOR/OUTDOOR t°min: -4°F/-20°C		AC supply: 100-240V 50-60Hz High efficiency (CEC listed) Weatherproof case with wall mounts	
OptiMate 3 QUAD x4 bank TM455		OptiMate 4-Bank Battery Saving Charger	4	12V	0.8A	7	Low Volt Start 2V 2 step desulfation recovery
		OptiMate 3 multibank - independent charge banks. Recovers sulfated batteries. Tests after charging. OptiMate 24/7 maintenance with desulfation pulse.		IDEAL FOR:  STD AGM GEL 3 - 50Ah USE: INDOOR/OUTDOOR t°min: -4°F/-20°C		AC supply: 100-240V 50-60Hz High efficiency (CEC listed) Weatherproof case with wall mounts	
OptiMate 5 VoltMatic TM223		OptiMate 5 Advanced 6/12V Battery Charger	1	6/12V	4A / 2.8A	8	Low Volt Start 1V 2 step desulfation recovery
		Advanced 6V & 12V battery care. VoltMatic 6V/12V selection. Saves 6V and 12V sulfated batteries. Tests after charging. OptiMate 24/7 maintenance with desulfation pulse.		IDEAL FOR:  STD AGM GEL 8 - 120Ah USE: INDOOR/OUTDOOR t°min: -4°F/-20°C		AC supply: 100-240V 50-60Hz High efficiency (CEC listed) Weatherproof case with wall mounts	
OptiMate 6 Ampmatic TM181		OptiMate 6 Ampmatic Battery Charger, 5A	1	12V	5A	9	Low Volt Start 0.5V 2 step desulfation recovery
		The world's most advanced fully automatic battery charger! Saves dead "flat" sulfated batteries from 0.5V. Tests BEFORE & after charging. Ampmatic: adjusts to any battery size. OptiMate 24/7 maintenance with desulfation pulse.		IDEAL FOR:  STD AGM GEL 3 - 240Ah USE: INDOOR/OUTDOOR t°min: -40°F/-40°C		AC supply: 100-240V 50-60Hz High efficiency (CEC listed) Weatherproof case with wall mounts	





BATTERY CHARGERS





OptiMATE
The Battery Saving
Charger





OptiMATE
lithium

PRODUCT SKU (PREFIX : TEC)	MSRP	DESCRIPTION	BANKS	BATTERY VOLTS	CHARGE AMPS	STEPS	SAVE MODE
OptiMate 6 SELECT TM191		OptiMate 6 Select charger + power supply	1	12V	5A	9	Low Volt Start 0.5V 2 step desulfation recovery
 <p>AVAILABLE JULY 2015</p>		<p>The world's most advanced battery charger for starter & deep cycle batteries! Selection: 14.4V / 14.7V / Power Supply. Ampmatic charge, temperature adjusted. 13.6V 4A powersupply. OptiMate 24/7 maintenance with pulse.</p>	<p>IDEAL FOR:</p>  <p>STD AGM GEL 3 - 240Ah</p>		<p>USE: INDOOR/OUTDOOR t°min: -40°F/-40°C</p>		
			<p>AC supply: 100-240V 50-60Hz</p>		<p>Weatherproof case with wall mounts</p>		
			<p>High efficiency (CEC listed)</p>				
OptiMate 6 12V/24V TM193		OptiMate 6 12/24V battery charger	1	12V 24V	5A 2.5A	8	Low Volt Start 0.5V (12V) 1 step desulfation recovery
 <p>AVAILABLE JULY 2015</p>		<p>The world's most advanced 12-24V battery charger! Saves dead 'flat' sulfated batteries. Tests BEFORE & after charging. Ampmatic: adjusts to any battery size. OptiMate 24/7 maintenance with desulfation pulse.</p>	<p>IDEAL FOR:</p>  <p>STD AGM GEL 3 - 200Ah (12V) 1 - 100Ah (24V)</p>		<p>USE: INDOOR/OUTDOOR t°min: -40°F/-40°C</p>		
			<p>AC supply: 100-240V 50-60Hz</p>		<p>Weatherproof case with wall mounts</p>		
			<p>High efficiency (CEC listed)</p>				
OptiMate Lithium 4s 5A TM291		OptiMate Lithium 5A charger BMS reset	1	12.8V - 13.2V	5A	10	Low Volt Start 0.5V 3 step low Volt save and test
		<p>Ultimate LiFePO4 professional battery charger Battery BMS reset. Advanced LiFePO4 low volt save. SafeT° Ampmatic charge control: adjusts to any battery size. Tests BEFORE & after charging. OptiMate 24/7 maintenance for lithium.</p>	<p>IDEAL FOR:</p>  <p>LFP up to 100Ah</p>		<p>USE: INDOOR/OUTDOOR t°min: -40°F/-40°C</p>		
			<p>AC supply: 100-240V 50-60Hz</p>		<p>Weatherproof case with wall mounts</p>		
			<p>High efficiency (CEC listed)</p>				
OptiMate Lithium 4s 0.8A QUAD TM485		OptiMate Lithium 0.8A 4-Bank BMS reset	4	12.8V - 13.2V	0.8A	8	Low Volt Start 0.5V 3 step low Volt save and test
	 <p>x4</p>	<p>Ultimate LiFePO4 professional battery charger Battery BMS reset. Advanced LiFePO4 low volt save. 4 independent charge banks. OptiMate 24/7 maintenance for lithium.</p>	<p>IDEAL FOR:</p>  <p>LFP up to 30Ah</p>		<p>USE: INDOOR/OUTDOOR t°min: -40°F/-40°C</p>		
			<p>AC supply: 100-240V 50-60Hz</p>		<p>Weatherproof case with wall mounts</p>		
			<p>High efficiency (CEC listed)</p>				

PRODUCT SKU (PREFIX : TEC)	MSRP	DESCRIPTION	BANKS	BATTERY VOLTS	CHARGE AMPS	STEPS	SAVE MODE
OptiMate DC-DC 12V 2A TM500		OptiMate 12V Battery to Battery charger	1	12V	2A	7	Low Volt Start 1V 2 step desulfation recovery
 <p>AVAILABLE JULY 2015</p>			<p>Charge your 12V battery from another 12V battery! Charge without AC power. Saves your 'dead' battery from 1V. Maintain your remote battery. Source battery protection, efficient long term maintenance program.</p>			<p>IDEAL FOR:</p>  <p>STD AGM GEL 6 - 96Ah</p> <p>USE: INDOOR/OUTDOOR t°min: -40°F/-40°C</p> <p>Weatherproof case with wall mounts</p>	
			Supply: 12-15VDC				
OptiMate Solar 12V charger with 6W panel TM524		OptiMate Solar 12V charger w/ 6W panel	1	12V	1-5A pulse	4	Low Volt Start 1V 1 step pulse desulfation recovery
 <p>AVAILABLE JULY 2015</p>			<p>The World's most efficient 12V solar pulse charge system, with 6W hi efficiency panel. Smart pulse current control. Save your dead battery with solar power. Controlled safe long term maintenance.</p>			<p>IDEAL FOR:</p>  <p>STD AGM GEL from 2Ah</p> <p>USE: INDOOR/OUTDOOR</p> <p>Weatherproof case with mounts</p>	
			6W solar panel included.				
			Supply: 14-22VDC				
OptiMate Solar 12V charge controller TM520		OptiMate Solar 12V pulse charger	1	12V	1-5A pulse	4	Low Volt Start 1V 1 step pulse desulfation recovery
 <p>AVAILABLE JULY 2015</p>			<p>Make your 12V solar panel work better with the worlds most efficient 12V pulse charge system! Smart pulse current control. Save your dead battery with solar power. Controlled safe long term maintenance.</p>			<p>IDEAL FOR:</p>  <p>STD AGM GEL from 2Ah</p> <p>USE: INDOOR/OUTDOOR</p> <p>Weatherproof case with mounts</p>	
			Supply: 14-22VDC				
OptiMate Solar 6V charge controller TM521		OptiMate Solar 6V pulse charger	1	6V	1-5A pulse	4	Low Volt Start 1V 1 step pulse desulfation recovery
 <p>AVAILABLE JULY 2015</p>			<p>Charge your 6V battery from a standard 12V solar panel! Smart pulse current control. Save your dead battery with solar power. Controlled safe long term maintenance.</p>			<p>IDEAL FOR:</p>  <p>STD AGM GEL from 2Ah</p> <p>USE: INDOOR/OUTDOOR</p> <p>Weatherproof case with mounts</p>	
			Supply: 10-22VDC				

PRODUCT	DESCRIPTION	BANKS	BATTERY VOLTS	CHARGE AMPS	TEST AMPS	SELECTION	PROGRAM STEPS
Optimate PRO-S TS171	OptiMate PRO-S 4A 1-bank prof. charger	1	12V	4A	0.1A	NEW / 2A / 4A	8
	Activate new battery in one hour. Recover / desulphate battery from 1V. Test battery condition, display state of charge / health (5 levels). Maintain battery, keep ready.	Battery range: 2 - 40Ah Type: 10Hr rated 12V starter batteries for power sport, small engine, lawn & garden.					
Optimate PRO-4 TS53	Optimate PRO4 4A 4-bank prof. charger	4	12V	4A	0.1A	NEW / 2A / 4A	8
	Activate new battery in one hour. Recover / desulphate battery from 1V. Test battery condition, display state of charge / health (5 levels). Maintain battery, keep ready. <i>4 bank version of OptiMate PRO-S!</i>	Battery range: 2 - 40Ah Type: 10Hr rated 12V starter batteries for power sport, small engine, lawn & garden.					
Optimate PRO-2 x 2A TS181	Optimate PRO2 2-bank saving charger	2	12V	1.8A	0.1A	AUTOMATIC	8
	Recover / desulphate battery from as low as 2V. Test battery condition, display state of charge / health (5 levels). Maintain battery, keep ready.	Battery range: 2 - 70Ah Type: 10 / 20Hr rated 12V lead-acid batteries.					
Optimate PRO-2 x 10A TS185	OptiMate PRO2 10A 2-Bank prof. charger	2	12V	10A	0.1A	FAST / 14.4V / 14.7V	9
	FAST recharge on vehicle at full current with desulphation mode deactivated. Charge voltage selection of 14.4V for standard batteries and 14.7V for hi performance AGM / GEL batteries. Recover / desulphate from as low as 1V. Test battery condition, display state of charge / health (5 levels). Maintain battery, keep ready.	Battery range: 24 - 240Ah Type: 10 / 20Hr rated 12V lead-acid batteries, STD, AGM, GEL and DEEP CYCLE.					

PRODUCT	DESCRIPTION	BANKS	BATTERY VOLTS	CHARGE AMPS	TEST AMPS	SELECTION	PROGRAM STEPS
Optimate PRO-8 TS45	Optimate Pro8 6/12V 8-bank charger	8	6V 12V	1A	NONE	6V / 12V	6
	Recover / desulphate battery from as low as 1V. Test battery condition, display GOOD / BAD state of health. Maintain battery, keep ready.	Battery range: 3 - 50Ah Type: 10 / 20Hr rated 12V lead-acid batteries, STD, AGM, GEL and DEEP CYCLE.					
AccuMATE PRO-5 TM131	AccuMATE PRO5 smart-charger/maintainer	5	12V	1.8A	NONE	AUTOMATIC	4
	Charge program BULK, ABSORPTION, MAINTAIN (IUoU). Low Volt start from 2 Volt. Good for fully charging and then keeping batteries at the ready before resale.	Battery range: 6 - 70Ah Type: 10 / 20Hr rated 12V lead-acid batteries, STD, AGM, GEL and DEEP CYCLE.					
AccuMATE PRO 12-24V TM212	AccuMATE Pro12V 7A/24V 3.5A charger	1	12V 24V	7A 3.5A	NONE	12V 7A 24V 3.5A	4
	Charge program BULK, ABSORPTION, MAINTAIN (IUoU). Low Volt start from 2 Volt. Good for fully charging any deep cycle or starter battery. Protected 24V selection (no charge <16V).	Battery range: 6 - 70Ah 10 / 20Hr rated 12V lead-acid batteries, STD, AGM, GEL and DEEP CYCLE.					
BatterymATE 150-9 TS02	BatterymATE 150-09, load tester charger	1	12V	9A	150A (300CCA)	1. Load Test & Charge current; 2. Charge time; 3. 14.4V / 16.9V Bulk charge level.	4 charge + 2 test
	Selector for load test & charge current per battery table. Activate new battery in 30 minutes. Recover / desulphate battery from 1V. Voltage selection 14.4 / 16.9V (AGM). Load Test battery, 3 sec cranking test, 15 sec health test. Display state of charge / health (10 levels). Maintain battery, keep ready.	Battery range: 2 - 40Ah 10Hr rated 12V starter batteries for power sport, small engine, lawn & garden.					

PRODUCT SKU (PREFIX : TEC)	MSRP	DESCRIPTION	BANKS	BATTERY VOLTS	CHARGE AMPS	STEPS	SAVE MODE
AccuMate ChargeMatic 6/12 mini TM84		AccuMate 6V/12V Mini Battery Maintainer	1	6V 12V	0.9A	3	Low Volt Start 4V/ 8V
		<p>Cost effective 6V / 12V battery maintenance! 24/7 Safe long term battery care – Maintain any type 6V / 12 volt lead-acid battery without overcharging. Automatic reversion to charge mode if current draw during maintenance increases.</p>		<p>IDEAL FOR:  STD AGM GEL From 2Ah</p>			
		AC supply: 110-120V 50-60Hz		USE: INDOOR -4°F / -20°C			
		NOT FOR SALE IN CALIFORNIA		Plug in case, vented.			
AccuMate ChargeMatic 6/12 TM08		AccuMate 6/12V smart-charger/maintainer	1	6V 12V	1.2A	4	Low Volt Start 2V
		<p>Smart 6V/12V battery maintenance! Smart voltage & current control with temperature regulation. Maintain any type 6V / 12 volt lead-acid battery without overcharging. Automatic reversion to charge mode if current draw during maintenance increases.</p>		<p>IDEAL FOR:  STD AGM GEL From 2Ah</p>			
		AC supply: 110-120V 50-60Hz		USE: INDOOR -4°F / -20°C			
		NOT FOR SALE IN CALIFORNIA		Desktop case, vented.			

OPTIONAL ACCESSORIES

DESCRIPTION	SKU
Bracket for Workshop Chargers	TS218
Battery Clips with rubber handles	04
Battery Clips, Fused, Rubber handles	014
Extender, power-sport, 6ft / 1.8m	03

CABLES



SAE - industry standard 2 pin
charger connector

DC - Axial Ø5.5mm x Ø2.5mm plug &
socket used with heated apparel

SAE panel mount - panel mount
socket found on O-20

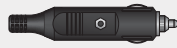


	Part #	DESCRIPTION		MSRP (USD)			AMPS
x1 Weatherproof Battery Lead - Premium quick connect permanent battery lead with weather protected connection system and cable.							
	01	Battery lead 1/4" rings, 18awg (-40°F)	/products/o-1	9.90	20" / 50cm -40°F / -40°C	SAE 1/4" / M6 ringlets	5A 15A
	01JAR	20 x 01 Battery lead (1/4" rings)	/products/o-1jar	115.50	20" / 50cm -40°F / -40°C	SAE 1/4" / M6 ringlets	5A 15A
	01BOX	100 x 01 Battery lead (1/4" rings)	/products/o-1box	507.90	20" / 50cm -40°F / -40°C	SAE 1/4" / M6 ringlets	5A 15A
	011	Battery lead 5/16" rings, 16awg (-40°F)	/products/o-11	9.90	20" / 50cm -40°F / -40°C	SAE 5/16" / M8 ringlets	10A 15A
	011JAR	20 x 011 battery lead (5/16" ringlets)	/products/o-11jar	115.50	20" / 50cm -40°F / -40°C	SAE 5/16" / M8 ringlets	10A 15A
	021	Weatherproof battery lead to DC socket	/products/o-21	9.90	20" / 50cm -40°F / -40°C	DC socket 5.5x2.5mm 1/4" / M6 ringlets	10A 15A
x2 Auto Plug Ø21mm - fits all standard automotive 12 Volt sockets and OEM sockets on Harley-Davidson, KTM, Yamaha							
	02	SAE to AUTO BIKE plug adapter	/products/o-2	17.90	20" / 50cm -4°F / -20°C	SAE Auto / Bike	5A 8A
	012	Adapter, SAE to AUTO plug, 10A fuse	/products/o-12	7.90	20" / 50cm -4°F / -20°C	SAE Auto	5A 10A
x3 Charge Cable Extender - Premium extenders with weather protected in-line connection system.							
	03	Extender, power-sport, 6ft / 1.8m	/products/o-3	9.90	6ft / 180cm -4°F / -20°C	SAE SAE	5A -
	013	Extender, power-sport, 15ft / 4.6m	/products/o-13	11.90	15ft / 460cm -4°F / -20°C	SAE SAE	5A -
	023	Extender, 'Arctic' 10A, 15ft / 4.6m	/products/o-23	14.90	15ft / 460cm -40°F / -40°C	SAE SAE	10A -
	033	Extender, 'Arctic' 5A, 40" / 1m	/products/o-33	9.90	40" / 100cm -40°F / -40°C	SAE SAE	5A -
x4 Battery Clips - Custom designed to fit square, flat and round posts.							
	04	Battery Clips with rubber handles	/products/o-4	8.90	20" / 50cm -40°F / -40°C	SAE OptiMate Clips	10A -
	014	Battery Clips, fused, rubber handles	/products/o-14	13.90	20" / 50cm -40°F / -40°C	SAE OptiMate Clips	10A 15A
x5 Y-Splitter - SAE to SAE, DC to SAE, DC to DC (DC : used in heated apparel, image & description below)							
	05	Y-splitter, SAE IN to 2 x fused SAE OUT	/products/o-5	13.90	20" / 50cm -40°F / -40°C	SAE 2 x SAE	5A -
	015	Y-splitter, SAE IN to 2 x SAE OUT	/products/o-15	9.90	12" / 30cm -4°F / -20°C	SAE 2 x SAE	5A -
	035	YSplitter SAE IN to 2 x DC sockets OUT	/products/o-35	11.90	12" / 30cm -40°F / -40°C	SAE 2 x DC socket	10A -
	045	Y-Splitter DC plug IN 2 x DC socket OUT	/products/o-45	11.90	12" / 30cm -40°F / -40°C	DC Plug 2 x DC socket	5A -

CABLES



AUTO plug - standard plug that fits automotive 12V socket (Ø21mm)



AUTO socket - standard 12V socket (Ø21mm)



BIKE straight plug - Ø12mm DIN plug



BIKE 90° plug - Low profile sealed Ø12mm plug



	Part #	DESCRIPTION		MSRP (USD)			
x6 AUTO SOCKET - Socket barrel has internal locking slots to firmly hold a GPS or USB charger (with side leaf springs) in position.							
	06	Adapter AUTO socket to SAE (dia. 21mm)	/products/o-6	10.90	20" / 50cm -40°F / -40°C	SAE 2 x SAE	10A -
	016	AUTO socket to BIKE plug adapter	/products/o-16	16.90	12" / 30cm -4°F / -20°C	SAE 2 x SAE	5A -
	026	Y-splitter, SAE in 2 x AUTO socket out	/products/o-26	12.90	12" / 30cm -40°F / -40°C	SAE 2 x DC socket	10A -
	036	YSplitter BIKE 90° plug AUTO socket out	/products/o-36	25.90	12" / 30cm -40°F / -40°C	SAE 2 x DC socket	10A -
x7 ADAPTERS - SAE to OTHER - Adapt your motorcycle, side-by-side, ATV, car or battery charger to fit OptiMATE SAE connectors.							
	07	KET to SAE Adapter, battery lead	/products/o-7	5.90	6" / 15cm -40°F / -40°C	SAE KET/TM plug	5A -
	017	KET/TM to SAE Adapter, charger lead	/products/o-17	5.90	6" / 15cm -4°F / -20°C	KET/TM socket SAE	5A -
	027	SAE to SAE polarity changer 6"	/products/o-27	5.90	6" / 15cm -40°F / -40°C	SAE SAE	5A -
	037	OBDII to SAE Charge Adapter	/products/o-37	17.90	40" / 100cm -40°F / -40°C	SAE OBD II plug	10A 15A
	047	DUCATI to SAE Charge Adapter	/products/o-47	25.90	12" / 30cm -40°F / -40°C	SAE DUCATI > 2010	5A -
	057	MV Agusta to SAE Charge Adapter	/products/o-57	13.90	12" / 30cm -40°F / -40°C	SAE MV AGUSTA	5A -
	067	Adapter kit, 3 piece, SAE to DC 2.5mm	/products/o-67	17.90	6" / 15cm -40°F / -40°C	SAE SAE	10A -
					6" / 15cm -40°F / -40°C	SAE DC plug	10A -
					6" / 15cm -40°F / -40°C	SAE DC socket	10A -
x8 BIKE SOCKET (DIN Ø12mm) - Matches sockets found on BMW, Triumph, Victory and selected Honda Goldwing motorcycles and John Deere ATVs.							
	08	Standard BIKE (Ø12mm) socket, 1/4" rings	/products/o-8	19.90	40" / 100cm -40°F / -40°C	BIKE (DIN) plastic 1/4" / M6 ringlets	5A 15A
	018	Metal BIKE (Ø12mm) socket, 1/4" rings	/products/o-18	24.90	40" / 100cm -40°F / -40°C	BIKE (DIN) metal 1/4" / M6 ringlets	5A 15A
x9 BIKE PLUG (DIN Ø12mm) - Fits sockets found on BMW, Triumph, Victory and selected Honda Goldwing motorcycles and John Deere ATVs.							
	09	Adapter extender SAE to BIKE Straight plug	/products/o-9	16.90	4ft / 120cm -40°F / -40°C	SAE BIKE(DIN) straight	5A -
	019	BIKE Straight plug to SAE 12"	/products/o-19	12.90	12" / 30cm -40°F / -40°C	SAE BIKE(DIN) straight	5A -
	019R	BIKE 90° lowprofile plug to SAE 6"	/products/o-19	16.90	6" / 15cm -40°F / -40°C	SAE BIKE(DIN) plug 90°	5A -
	029	Adapter, SAE to BIKE 90° DIN plug, 40"	/products/o-29	19.90	40" / 100cm -40°F / -40°C	SAE BIKE(DIN) plug 90°	5A -
	039	DC to BIKE 90° plug for heated apparel	/products/o-39	19.90	24" / 60cm -40°F / -40°C	DC socket BIKE(DIN) plug 90°	5A -

CABLES USB CHARGERS

Optimate
cable

AUTO plug - standard plug that fits automotive 12V socket (Ø21mm)



AUTO socket - standard 12V socket (Ø21mm)



BIKE straight plug - Ø12mm DIN plug











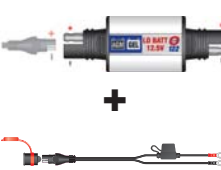
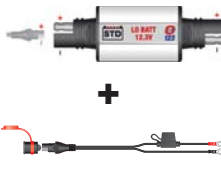



BIKE 90° plug - Low profile sealed Ø12mm plug





	Part #	DESCRIPTION		MSRP (USD)	↔ ❄️	➡️1 ➡️2	AMPS
x0 Custom Cables & Accessories - custom designed hard and soft panel connectors							
	020	SAE socket w/ cap, panel (>1/4") mount	/products/o-20	16.90	6" 15cm -40°F -40°C	SAE panel mount SAE	10A -
	030	Tank bag and hard case power entry	/products/o-30	19.90	6" 15cm -40°F -40°C	DC socket SAE	5A -
					6" 15cm -40°F -40°C	SAE DC plug	

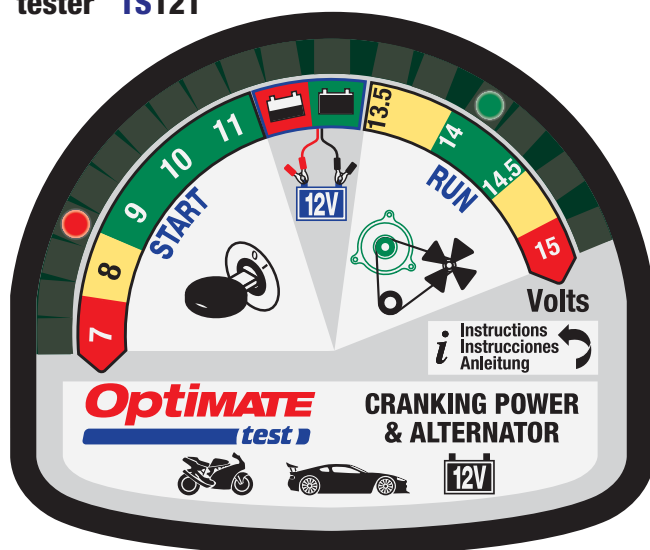
	Part #	DESCRIPTION		MSRP (USD)	↔	➡️1	FEATURES
10x USB CHARGERS & CABLES		Low input auto off function protects vehicle battery from total discharge. Communicates with Apple devices for max. current delivery. Protected against short circuit, overload and high voltage supply.					
	0100	1A USB charger with cables, SAE in	/products/o-100	28.90	3 1/4" 8cm	SAE	Battery auto protect off < 12.4V, extender, mini & micro adapter
	0102	1A weatherproof USB charger with cables	/products/o-102	31.90	80" 200cm	SAE	Battery auto protect off < 12.4V, 40" input and 40" output cable. USB mini and micro adapter.
	0103	2.1A Weatherproof USB charger DC plug	/products/o-103	33.90	10" 25cm	DC plug	Power from 11.1V battery for heated apparel or 12V. Sealed charger.
	0104	2.1A weatherproof USB charger 90° DIN	/products/o-104	44.90	10" 25cm	BIKE 90° plug	Connector for BMW, Victory, Triumph motorcycles, John Deere ATVs.
	0106	2.1A dual output USB charger, AUTO plug	/products/o-106	19.90	2" 5cm	Auto plug	2 x USB out
	0107	2.1A weatherproof USB charger, SAE in	/products/o-107	33.90	10" 25cm	SAE	Battery auto protect off < 12.4V. Sealed charger.
	0109	USB Adaptor Kit Charger Accessory	/products/o-109	14.90	40" 100cm 4x 6" 15cm	USB-A USB mini USB micro	Cables communicate charge cable status for Garmin GPS, HTC, Nokia, Samsung & Microsoft phones.

LED FLASHLIGHTS BATTERY MONITORS

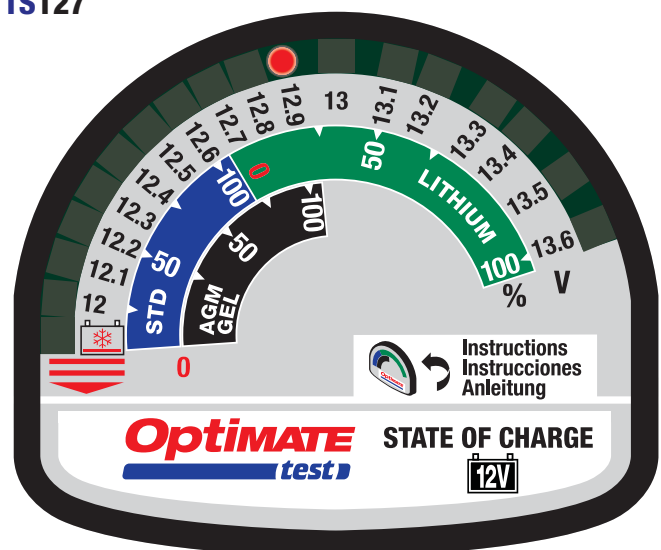
	Part #	DESCRIPTION		MSRP (USD)			FEATURES
12x LED LIGHTS		Low input auto off function protects vehicle battery from total discharge. Communicates with Apple devices for max. current delivery. Protected against short circuit, overload and high voltage supply.					
	0120	12V Emergency flashlight with 6 LED	/products/o-120	19.90	4" / 10cm	SAE + 40" / 100cm cable	Checks vehicle charge voltage, battery voltage. 6-LED flashlight powered from vehicle battery.
	0130	Rechargeable pocket flashlight - fits auto socket	/products/o-130	18.90	3 1/4" / 8cm	AUTO	Rechargeable from standard 12V socket
	Part #	DESCRIPTION		MSRP (USD)			FEATURES
12x BATTERY MONITORS		Monitor battery status, be warned when to recharge the battery before it dies. All LED monitors have a built in SAE charge port. SMART battery monitors also check vehicle alternator / stator charge volts.					
	0122	LOW BATTERY Warning Hi Performance 12V	/products/o-122	19.90	3 1/4" / 8cm	SAE in & SAE charge port	Flashes bright red (visible from a distance) when battery charge level is below 50% (12.50V). For high performance AGM batteries. Includes O1 permanent battery lead.
	0123	LOW BATTERY Warning ALL 12V batteries	/products/o-123	19.90	3 1/4" / 8cm	SAE in & SAE charge port	Flashes bright red (visible from a distance) when battery charge level is below 50% (12.35V). For any 12V lead-acid battery. Includes O1 permanent battery lead.
	0124	Smart 4-LED battery Monitor w/ ringlets	/products/o-124	25.90	20" / 50cm	1/4" / M6 ringlets & SAE charge port	Flashes battery status every 5 seconds (4 LEDs). 4th LED for high voltage AGM. With engine running displays vehicle charge voltage. Connects to battery terminals directly.
	0125	Smart 4-LED battery Monitor, inline SAE	/products/o-125	22.90	6" / 15cm	SAE in & SAE charge port	Flashes battery status every 5 seconds (4 LEDs). 4th LED for high voltage AGM. With engine running displays vehicle charge voltage. Connects to installed SAE battery lead or any SAE accessory able to connect to battery or 12V vehicle socket.
	0127	Smart 4-LED battery Monitor, LITHIUM	/products/o-127	25.90	20" / 50cm	1/4" / M6 ringlets & SAE charge port	Flashes battery status every 10 seconds (3 LEDs). With engine running displays vehicle charge voltage. 4th LED warns of overcharge. Connects to battery terminals directly.



PRODUCT SKU (PREFIX : TEC)	MSRP	DESCRIPTION	BATTERY VOLTS	BATTERY TYPES	RESULT
OptiMate TEST Cranking power & Alternator tester TS121		OptiMate TEST battery & charging system	12V	All lead-acid engine start & 12.8V lithium used in place of lead-acid	Battery state of charge; Lowest cranking volts; alternator charging voltage
			<p>The ultimate pocket tester for on-vehicle battery performance & alternator voltage testing that every service technician should have! Analyze battery and charging system in 3 steps! Easy to use, connect to the battery and</p> <ol style="list-style-type: none"> 1) Check battery charge level. 2) Record lowest start volts (displayed for 20 seconds). 3) Verify vehicle charging voltage. <p>Result displayed on bright LEDs. Instructions on the rear panel of tester.</p>		
			Supply: vehicle battery		
OptiMate TEST State of charge tester TS127		OptiMate STATE OF Charge 12V batteries	12V	All lead-acid engine start & 12.8V lithium used in place of lead-acid	Low voltage / state of charge warning; voltage compared against % charge bands for STD, AGM & LITHIUM
			<p>The smart choice for a battery sales counter – check new batteries before sale or test returned batteries! State of charge results in Volts and percentage (%). Easy to use, connect clips to battery and read the result. Result displayed on bright LEDs. Instructions on the rear panel of tester.</p>		
			Supply: vehicle battery		

OptiMate TEST Cranking power & Alternator tester TS121







OptiMate TEST State of charge tester TS127



PRODUCT SKU (PREFIX : TEC) MSRP	DESCRIPTION	BATTERY VOLTS	BATTERY TYPES	RESULT
TestMate SPORT TA-9 	TestMate POWERSPORT 12V battery tester	12V	10Hr rated 12V lead-acid engine start for power sport & small engine vehicles	CCA; State of Charge (SOC) and State of Health (SOH).
TestMate AUTO 200Ah TA-18 	TestMate AUTOMOTIVE 12V battery tester	12V	20Hr rated 12V lead-acid engine start for auto & marine & truck	CCA; State of Charge (SOC) and State of Health (SOH).

Accurate starter battery diagnostics, power sport, small engine batteries! *TecMate developed custom test program* for accurate testing of STD (wet cell), 'dry charged' AGM (delivered with acid pack) and factory activated hi performance AGM up to 35Ah. Select battery type and enter Ah / CCA for accurate SOH & SOC result, then TEST. For CCA only simply press TEST and read the result on the bright LCD screen.
Pre-select language for on screen instructions and results. 8 languages, including English, Spanish, French.




Accurate starter battery diagnostics, automotive / marine / truck. Test program for accurate testing of STD (wet cell) and hi performance AGM (flat plate and cyclic cell) up to 200Ah. Select battery type and enter Ah / CCA for accurate SOH & SOC result, then TEST. For CCA only simply press TEST and read the result on the bright LCD screen.
Pre-select language for on screen instructions and results. 8 languages, including English, Spanish, French.

PRODUCT SKU (PREFIX : TEC)	MSRP	DESCRIPTION	CYLINDERS	DISPLAY	SYNCHRONIZE METHOD
CarbMate TS111		CarbMate Twin-engine synchronising	2	9 LEDs, horizontal	Compares manifold pressure of two cylinders
		<p>A twin cylinder engine owner's favorite, the CarbMate displays the vacuum difference between two cylinders on a single display. With range resolution adjust of 0.5cmH to 2cmHg per LED. Zero adjust to centre display before synchronizing. Standard accessories include 2xM6, 2xM5, T-piece adapter and a 12V power cable. Optional 2 to 4-cylinder adapter available. Approved as a recommended tool by Rotax aviation's official club ROAN.</p>			
		Supply: 12V / vehicle/craft battery			
SynchroMate TS101		SynchroMate 2cylinder synchronizer W/RPM	2	30 LEDs, horizontal	Compares manifold pressure of two cylinders
		<p>The professional's CarbMate+ with additional features such as 0.5cmHg fixed resolution display, 'wireless' RPM measurement and absolute vacuum measurement of a single carburetor for troubleshooting pressure issues. Standard accessories include a protective holster, 2xM6 flexi-rigid, 2xM5 flexi-rigid, T-piece adapter and a 12V power cable. Optional 2 to 4-cylinder adapter available.</p>			
		Supply: 12V / vehicle/craft battery			
VacuumMate Workshop TS81		VacuumMate WS Workshop Synchronizer	4	4 x 40 LEDs, vertical	Each cylinder's pressure is displayed individually
		<p>The professional choice - OEM-recommended VacuumMate is the unmatched industry standard! Intake synchronisation to 0.5cmHg resolution, accurate 'wireless' RPM gauge, DYNAMIC valve diagnostics. Four easy to read bar graph displays (visible in bright light), rugged casing. Delivered with a nylon case, unique flexi-rigid 4xM6, 4xM5 & T-piece adapters and a 12V power / charge cable. Optional 4 to 6 cylinder adapter available.</p>			
		Supply: 12V / vehicle /craft battery			
VacuumMate Marine TS71		VacuumMate ME Marine Synchronizer	4	4 x 40 LEDs, vertical	Each cylinder's pressure is displayed individually
		<p>With rechargeable battery. The professional choice - OEM-recommended VacuumMate is the unmatched industry standard. Intake synchronisation to 0.5cmHt resolution, accurate 'wireless' RPM gauge, DYNAMIC valve diagnostics. Four easy to read bar graph displays (visible in bright light), rugged casing. Delivered with a nylon case, unique flexi-rigid 4xM6, 4xM5 & T-piece adapters and a 12V power / charge cable. Optional 4 to 6 cylinder adapter available.</p>			
		Supply: Rechargeable internal battery or 12V external			

DIAGNOSTIC TOOLS

Optional Accessories & KITS for CarbMate, SynchroMate and VacuumMate

DESCRIPTION	SKU
Calibration kit, Synchro & Vac	TA11
Carburetor M5 flexi adapters	TS200
Carburetor M6 flexi adapters	TS201
Fixed short M5 Brass Adapter	TS203
Fixed short M6 Brass Adapter	TS204
Santoprene M5 Long Adapter	TS205
Santoprene M6 Long Adapter	TS206
2 to 4 Channel Adapter	TS220
4 to 6 Channel Adapter	TS221
Black Carry Bag for Diagnostic Tools	TS222
Black Protective Holster	TS223
Red Protective Holster	TS224
3' fuel & oil resistant hose	TS225
Replacement battery cord set	TS233
ROTAX Adapter with 2 x 6ft hoses	TS400
ROTAX Adapter W/ Accessory kit	TS400KIT
Replacement 6ft Rubber Hose	TS401

PRODUCT SKU (PREFIX : TEC)	MSRP	DESCRIPTION	CYLINDERS	DISPLAY	TEST METHOD
IgnitionMate TS91		IgnitionMate - Engine Diagnostic Tool	1	2 x 40 LEDs vertical	Compares 2 signals on one cylinder - primary, secondary & SPARK signals
		<p>A technician with basic ignition system knowledge can quickly troubleshoot ignition problems and improve engine performance on any type of ignition system. Dual display allows comparison of two different parameters on the same cylinder, such as primary (VPK) & secondary (kV) ignition coil voltage, SPARK current (misfires easily seen!). Low voltage DC signals can also be measured e.g. fuel injection pulses. Delivered in a nylon case containing all necessary cables & adapters.</p>			
		Supply: Rechargeable internal battery or 12V external			
IgnitionMate DUO TS93		IgnitionMate DUO Engine Diagnostic Tool	2	2 x 40 LEDs vertical	Compares the same signal on two cylinders - primary, secondary & SPARK signals
		<p>Simple comparative trouble shooting of the same signal on different cylinders, even different engines. Fine tuning, balancing of ignition pulses for maximum engine performance on multi cylinder engines. Dual display, measures primary (VPK) & secondary (kV) ignition coil voltage, SPARK current (misfires easily seen!). Delivered in a nylon case containing all necessary cables & adapters (as shown in image).</p>			
		Supply: Rechargeable internal battery or 12V external			
Probulator scoop probe TEST kit TM99		Probulator Kit - Tool Accessory	4 pieces		
		<p>Fits into rear of connectors without damage to waterproof seals. Two pairs, different sizes. Fits Ø4mm cable connectors as used on all popular digital multimeters.</p>			

Replacement Accessories for IgnitionMate, IgnitionMate DUO

DESCRIPTION	SKU	
Peak Voltage Adapter Cable	TS207	
H/T Pick-up Cable (stick coil) adapter	TS208	
Ignitionmate Low Tension Lead Set	TS226	
Replacement battery cord set	TS233	
IMDUO LT Test Lead Set R/B	TS234	

OptiMATE monitor

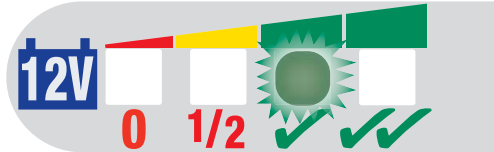
Super Smart 12V **AGM** **GEL** **STD** STATE OF CHARGE MONITOR

Smart 4 LED monitor displays battery status during storage & charging voltage when engine runs!

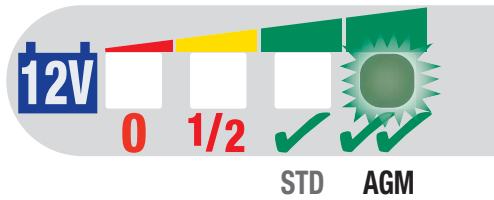


Draws less than 0.2 milli amps! Fully sealed, weatherproof! Includes SAE charging port.

BATTERY STATUS INDICATION EVERY 5 SECONDS (LED blinks).



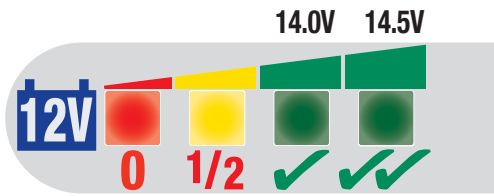
BATTERY STATUS INDICATION FOR HIGH VOLTAGE AGM.



Yuasa YTX, YTZ, GYZ
Odyssey PC series



CHARGE VOLTAGE STATUS WITH ENGINE RUNNING.



2 Models available

124
TEC0124
Battery Lead



125
TEC0125
In-Line

