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TOPDON®



CATALOG



BATTERY SERVICE

Precise, Durable, Capable



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About TOPDON

At TOPDON, we believe automotive repair should be accessible to everyone. Whether you're a seasoned technician, a DIY enthusiast, or just starting your automotive journey, we provide the tools and expertise to make the process easier and more efficient.

We are committed to supporting customers throughout the entire repair process. From pinpointing the issue to finding the right solution, we're here to guide you every step of the way.

Founded in 2017, TOPDON was born from a deep understanding of the automotive aftermarket. With over 20 years of experience in the industry, our founder possesses a keen eye for customer needs and market trends. This allows us to anticipate future challenges and consistently deliver innovative solutions that exceed expectations.

Today, TOPDON has a team of over 300 top engineers and holds more than 500 patents and software copyrights. We are dedicated to developing cutting-edge products that are not only accurate and efficient but also incorporate the latest technological advancements. Our products are shipped to over 110 countries worldwide, reaching customers across the globe.



Battery Service Overview

TOPDON offers a complete range of battery solutions in three key categories: jump starters, battery chargers, and battery testers. Here's why our products stand out

Proven Quality & Support

Refined through user feedback, our products integrate top-tier battery cells from SDI and are manufactured in world-class facilities like CETC Panda. With strong after-sales service and high customer ratings, we deliver quality you can trust.

Designed for cars, trucks, motorcycles, boats, and more, our products support various battery types, including **Wet, Gel, MF, EFB, AGM, CAL, VRLA, and Lithium.**

Wide Compatibility

Versatile Solutions: From DIY to Pro

Our products range from entry-level to professional-grade, serving technicians, repair shops, battery manufacturers, distributors, racing teams, and everyday car owners.

Built-in protections against reverse polarity, short circuits, overvoltage, overload, overheating, and more ensure safe and reliable operation in any situation.

Advanced Safety Features





JUMP STARTER

WHY CHOOSE TOPDON JUMP STARTERS

1 More Than Just a Jump Starter

TOPDON Jump Starters aren't just for dead batteries. Many models combine essential tools like tire inflators and battery testers, making them indispensable for any roadside situation.

2 Jump-Starting for Every Vehicle

Our range of models offers the perfect power for everything from compact cars to high-displacement trucks. Whether you're a driver or a pro, we've got you covered.

3 Powerful Backup for a Dead Battery

When your battery is completely drained, our boost function steps in to restart your engine effortlessly.

4 Reliable Safety at Every Stage

Our jump starters provide all-around protection. From avoiding reverse connections to guarding against electrical hazards, they keep you and your car safe, so you can embark on any journey.

FEATURED

PRODUCTS



V1500

1500A Peak Current

6.5L Gas / 4.0L Diesel

10,000mAh Battery Capacity

Up to 25 Jumps Per Full Charge



V2200

2200A Peak Current

8.0L Gas / 6.0L Diesel

16,000mAh Battery Capacity

Up to 35 Jumps Per Full Charge

V2200Air

2-In-1 Jump Starter and Tire Inflator

2200A Peak Current

8.0L Gas / 6.0L Diesel

12,000mAh Battery Capacity

Tire Pressure Up to 150 PSI



V2200Plus

2-in-1 Jump Pack and Battery Tester

2200A Peak Current

8.0L Gas / 6.0L Diesel

16,000mAh Battery Capacity

Up to 35 Jumps Per Full Charge



FEATURED

PRODUCTS



V3000

3000A Peak Current

9.0L Gas / 7.0L Diesel

24,000mAh Battery Capacity

PD60W Bi-Directional Fast Charging

10 Built-in Protections



V4500 Plus

Designed for High-Displacement Vehicles

4500A Peak Current

16L Gas / Diesel

32,000mAh Battery Capacity

Up to 45 Jumps Per Full Charge

Acts as a Battery Tester

JumpSurge
1200Pro

1800A Peak Current

6.5L Gas / 4.0L Diesel

10,000mAh Battery Capacity

Up to 25 Jumps Per Full Charge

JumpSurge
3000

3000A Peak Current

9.0L Gas / 7.0L Diesel

24,000mAh Battery Capacity

Up to 45 Jumps Per Full Charge



Applications



Cold Winter Starts



Hot Desert Starts



Road Trips & Long Drives



Long-Term Vehicle Storage



Car Breakdowns



Roadside Assistance

Comparison Chart

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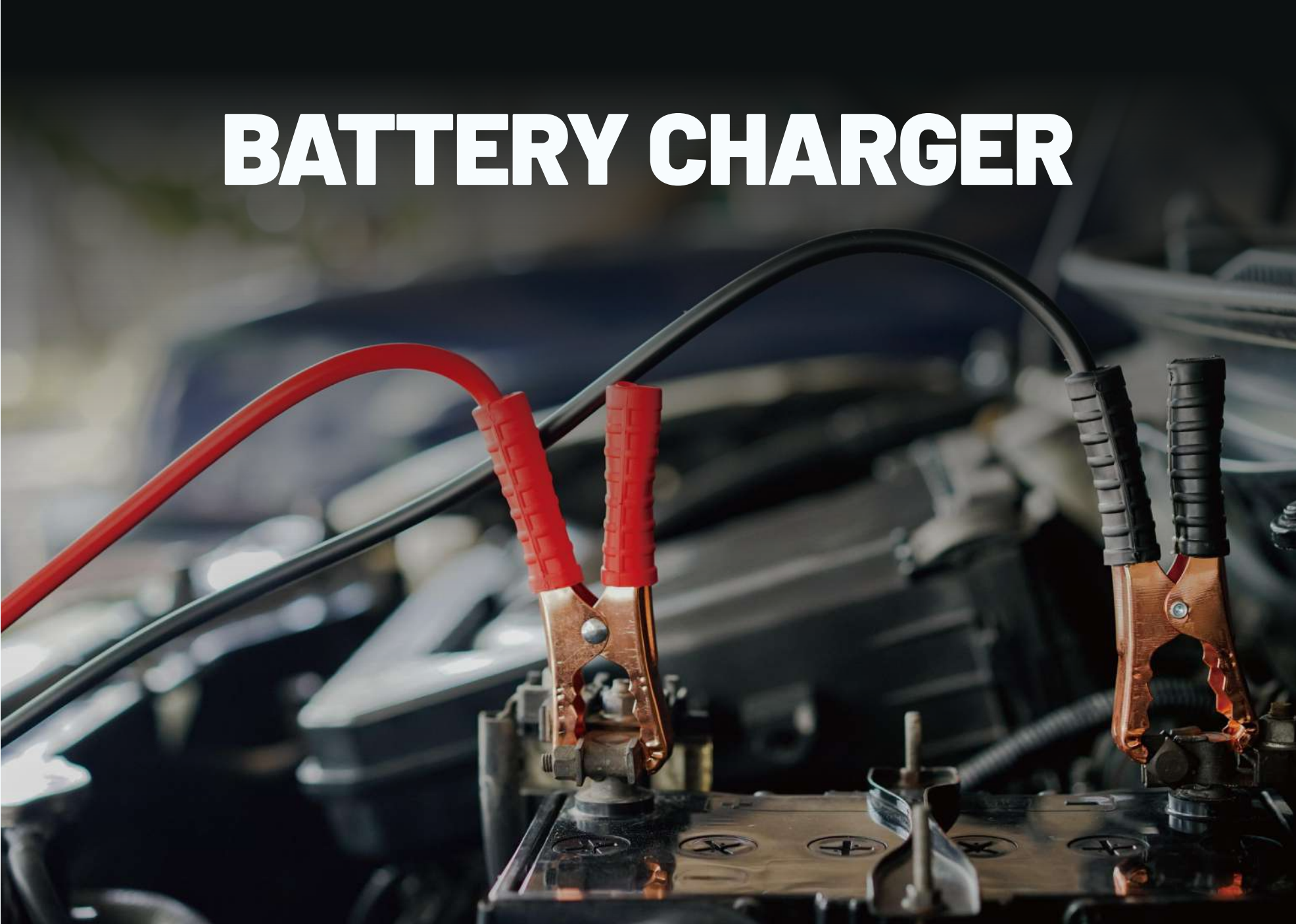
	Peak Amps	Battery Capacity	Gas Engines	Diesel Engines	Jump Starts Per Charge	BOOST Mode	Input	Output
V1500	1500	10,000mAh /37Wh	Up to 6.5 Liters	Up to 4.0 Liters	Up to 25	30 Sec	USB-C: PD18W	USB-A DC
V2200Air	2200	12,000mAh/59.2Wh	Up to 8.0 Liters	Up to 6.0 Liters	Up to 35	30 Sec	USB-C: PD45W	USB-C: PD45W USB-A1: QC18W DC
V2200	2200	16,000mAh/59.2Wh	Up to 8.0 Liters	Up to 6.0 Liters	Up to 35	N/A	USB-C: PD60W	USB-C: PD60W USB-A1: QC18W USB-A2: QC18W DC
V2200Plus	2200	16,000mAh/59.2Wh	Up to 8.0 Liters	Up to 6.0 Liters	Up to 35	30 Sec	USB-C: PD60W	USB-C: PD60W USB-A1: QC18W USB-A2: QC18W DC
V3000	3000	24,000mAh/88.8Wh	Up to 9.0 Liters	Up to 7.0 Liters	Up to 45	30 Sec	USB-C: PD60W	USB-C: PD60W USB-A1 USB-A2: QC18W DC
V4500 Plus	4500	32,000mAh/120Wh	Up to 16.0 Liters	Up to 16.0 Liters	Up to 45	3 Mins	USB-C: PD100W	USB-C: PD100W USB-A1: QC18W, USB-A2: QC18W DC
JumpSurge 1200Pro	1800	10,000mAh/37Wh	Up to 6.5 Liters	Up to 4.0 Liters	Up to 25	30 Sec	USB-C: PD18W	USB-C: PD18W USB-A1 USB-A2 DC
JumpSurge 3000	3000	24,000mAh/88.8Wh	Up to 9.0 Liters	Up to 7.0 Liters	Up to 45	30 Sec	USB-C: PD45W	USB-C: PD45W USB-A1: QC18W USB-A2 DC

Comparison Chart

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	Charging Speed	Recharge Time	Add-On Features	APP	Flashlight	Operating Temperature	Package Dimension (mm/inch)	What's in the Box	
V1500	⚡⚡	2.58hrs	✖	✖	✓	-10°C to 40°C (14 °F to 104 °F)	225 x 128 x 97 / 8.9 x 5 x 3.8	V1500 Jump Starter Battery Clamps USB Cable User Manual	Quick Start Guide Carrying Case Packing Box
V2200Air	⚡⚡⚡	1.37hrs	✖	✖	✓	-10°C to 40°C (14 °F to 104 °F)	302 x 110 x 225 / 11.89 x 4.33 x 8.86	V2200Air Jump Clamps Inflation Nozzles Inflation Needle	USB-C to USB-C Cable User Manual Packing Box
V2200	⚡⚡⚡⚡	1.42hrs	Tire Inflator	✖	✓	-10°C to 40°C (14 °F to 104 °F)	267 x 157 x 106 / 10.5 x 6.2 x 4.2	V2200 Jump Starter Battery Clamps USB Cable User Manual	Quick Start Guide Carrying Case Packing Box
V2200Plus	⚡⚡⚡⚡	1.37hrs	Battery Test	✓	✓	-10°C to 40°C (14 °F to 104 °F)	267 x 157 x 106 / 10.5 x 6.2 x 4.2	V2200Plus Jump/Tester Clamps USB Cable Carrying Case	User Manual Packing Box
V3000	⚡⚡⚡⚡	1.77hrs	✖	✖	✓	-10°C to 40°C (14 °F to 104 °F)	284 x 147 x 120 / 11.18 x 5.79 x 4.72	V3000 Battery Clamps USB-C Cable PD45W Adapter	Plugs x2 User Manual Carrying Case Package Box
V4500 Plus	⚡⚡⚡⚡⚡	1.42hrs	Battery Test	✓	✓	-10°C to 40°C (14 °F to 104 °F)	320 x 310 x 175 / 12.6 x 12.2 x 6.89	V4500 Plus Battery Test Clamps PD45W Charger Adapter DC Adapter	PD100W Cable User Manual Packing Box
JumpSurge 1200Pro	⚡⚡	2.42hrs	✖	✖	✓	-10°C to 40°C (14 °F to 104 °F)	196 x 125 x 92 / 7.72 x 4.92 x 3.62	JumpSurge1200Pro User Manual Carrying Case Battery Clamps	USB-C Cable Packing Box
JumpSurge 3000	⚡⚡⚡	1.77hrs	✖	✖	✓	-10°C to 40°C (14 °F to 104 °F)	284 x 147 x 120 / 11.18 x 5.79 x 4.72	JumpSurge3000 Battery Clamps USB-C Cable USB-C Power Adapter	Carrying Case User Manual

Note: Recharge time is based on maximum theoretical values. Actual performance may vary depending on usage conditions.



BATTERY CHARGER

WHY CHOOSE TOPDON BATTERY CHARGERS

9-Step Smart Charging

The process optimizes, maintains, and fully charges your battery. This advanced system protects your battery and prevents overcharging with automatic charging and disconnection.

- | | | |
|----------------|---------------|---------------|
| 1 Diagnosis | 4 Soft Start | 7 Analysis |
| 2 Desulphation | 5 Bulk Charge | 8 Recondition |
| 3 Pre-Charge | 6 Absorption | 9 Maintenance |



Restore Your Battery

Our repair mode helps mitigate battery sulfation and acid stratification, improving performance for stronger starts and longer battery life.

Wide Battery Compatibility

Support a wide range of battery capacities (5Ah to 120Ah) and are compatible with various 12V and 24V batteries, including Wet, Gel, MF, EFB, AGM, CAL, VRLA, and Lithium.

Charge, Stabilize, Diagnose

Beyond just power, TOPDON chargers offer advanced features like voltage stabilization for high-end vehicle programming and built-in battery testing for comprehensive diagnostics.

FEATURED PRODUCTS

TB6000Pro

- 2-in-1 Smart Charger & Tester
- Smart Charging with Pre- and Post-Report
- DIY 9-Step Charging Mode
- Timed Automatic Charging



TB8000

- 9-Step Smart Charging
- 6 Charging Modes
- Spark Elimination Technology
- 5 Built-In Safety Features





Tornado 4000

The All-in-One Battery Charger
(Battery Maintainer, Trickle Charger &
Battery Desulfator)

5 Charging Modes

9-Step Smart Charging

Wide Battery Compatibility



Tornado 30000

Works on 6V, 12V, & 24V Batteries

9-Step Smart Charging

12 Charging Modes

Charge Multiple Devices at Once

FEATURED

PRODUCTS

Tornado 90000

6 Charging Modes

Voltage Stabilizer for ECU Programming

9-Step Smart Charging

Real-Time Voltage & Current Display



Tornado 120000

Power Up High-End Car Programming

9-Step Smart Charging

Up to 120A Charging Current

Adjustable Voltage and Current



Applications



Comparison Chart

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	Battery Capacity	Power	Lithium	Charging Current	Input Voltage AC	Working Voltage AC	Battery Chemistries	6V NORM/ 6V AGM
Tornado 4000	6-120Ah	64W Max	12V	6V/4A, 12V/4A, 12V/1A	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz	Wet, Gel, MF, EFB, AGM, Lithium	✓
Tornado 30000	50-1000Ah	360W Max	12V/24V	6V/15A, 12V/30A, 12V/10A, 24V/15A	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz	Wet, Gel, MF, EFB, AGM, CAL, Lithium	✓
Tornado 90000	20-2800Ah	1500W Max	12V/24V	12V/10A-90A, 24V/10A-45A	USA(100-120VAC 50-60Hz) EU(200-240VAC 50-60Hz)	USA(100-120VAC 50-60Hz) EU(200-240VAC 50-60Hz)	Wet, Gel, MF, EFB, AGM, CAL, VRLA, Lithium	×
Tornado 120000	50-3700Ah	1700W Max	12V	5-120A (adjustable)	90-240VAC, 50-60Hz	90-240VAC, 50-60Hz	Wet, Gel, MF, EFB, AGM, CAL, VRLA, Lithium	×
TB6000Pro	5-240Ah	81W Max	12V	6V/3A, 12V/6A, 12V/1A	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz	Wet, Gel, MF, EFB, AGM, Lithium	✓
TB8000	15-260Ah	108W Max	12V	6V/8A, 12V/8A, 12V/3A	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz	Wet, Gel, MF, EFB, AGM, CAL, Lithium	✓

Comparison Chart

2/3

	Charging Current	12V Supply	Constant Voltage Range	24V Supply	Battery Repair	Dead Battery Charging	App	Clip cord Length
Tornado 4000	9 Step, Smart Charger	√	13.5V	×	12V	√	×	1.8m (70.87 inches)
Tornado 30000	9 Step, Smart Charger	√	13.5V	√	6V/12V/24V	√	×	2.2m (86.61 inches)
Tornado 90000	9 Step, Smart Charger	√	11-15.8V or 22-31.6V	√	12V/24V	√	×	2.2m (86.61 inches)
Tornado 120000	9 Step, Smart Charger	√	11~16.8V	×	12V	√	×	2.2m or 5m (86.61 inches or 196.85 inches)
TB6000Pro	9 Step, Smart Charger	√	6-15V	×	12V	√	Battery Test, Pre-Post Report, Charging appointment, etc.	1.8m (70.87 inches)
TB8000	9 Step, Smart Charger	√	13.5V	×	12V	√	×	1.8m (70.87 inches)

Comparison Chart

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	Operating Temperature	Protection Level	Package Dimension	What's in the Box	
Tornado 4000	14°F to 104°F (-10°C to 40°C)	IP65	130 x 80 x 50mm (5.12 x 3.15 x 1.99inches)	Tornado4000 SAE to O-ring Terminals Battery Clamps User Manual	Packing Box
Tornado 30000	14°F to 104°F (-10°C to 40°C)	IP20	262.5 x 115.5 x 61mm (10.33 x 4.55 x 2.40inches)	Tornado30000 With Battery Clamps User Manual Packing Box	
Tornado 90000	14°F to 104°F (-10°C to 40°C)	IP20	419.2 x 274.6 x 140mm (16.50 x 10.81 x 5.51inches)	Tornado90000 Battery Clamps with Ring Terminals Allen Wrench	User Manual Packing Box
Tornado 120000	14°F to 104°F (-10°C to 40°C)	IP20	485 x 356 x 263mm (19.09 x 14.02 x 10.35inches)	T120A Battery Charger 2m or 5m Battery Clamps AC Power Cables USB-A to USB-B Cable	User Manual Safety Guide Packing Box
TB6000Pro	14°F to 104°F (-10°C to 40°C)	IP65	130 x 80 x 50mm (5.12 x 3.15 x 1.99inches)	TB6000Pro Battery Clamps Ring Terminals User Manual	Packing Box
TB8000	14°F to 104°F (-10°C to 40°C)	IP65	245 x 100 x 52mm (9.65 x 3.94 x 2.05inches)	TB8000 With Premium Battery Clamps Carrying Bag User Manual	Packing Box

BATTERY TESTER

WHY CHOOSE TOPDON BATTERY TESTERS

Print Test Reports in Real-Time

Some models include a built-in printer, allowing you to print test reports instantly after performing battery tests, providing increased convenience for shops to print out whenever a proof or record is needed.



Complete Battery & System Testing

Perform Battery, Cranking, Charging, and System tests all in one go. Get instant, clear results to diagnose issues quickly and keep your vehicle running smoothly.

For Various Vehicles & Battery Types

Compatible with cars, trucks, motorcycles, boats, ATVs, yachts, and more. Supports multiple battery types, including flooded, AGM flat plate, AGM spiral, GEL, and EFB, covering all your needs.

Safety Above Everything

With advanced protection features like reverse polarity protection, our testers are built for safety and reliability.

FEATURED

PRODUCTS



BT100

Battery, Cranking & Charging Tests

Reverse Polarity Protection

Supports 12V Batteries

Compact & Durable Enclosure



BT200

Battery, Cranking & Charging Tests

Supports 24V Batteries

2.4-inch LCD Screen

On-Board & Off-Board Detection

BT300P

Built-In Printer

Fast & Accurate Testing Results

2.4-inch Color Screen

Smoke-Free & Spark-Free Copper Clamps



BT600

3.5-inch Color Screen

Built-In Thermal Printer

Battery, Cranking, Charging & System Tests

Reverse Polarity Protection



FEATURED PRODUCTS

BTMobile ProS

Turn Your Diagnostic Scan Tool Into a Battery Tester

Battery, Cranking, Charging & System Tests

Automatic Test Data Recording

Dual Bluetooth Connection



Applications



Auto Repair Shops



Battery Retailers/Shops



Car Dealerships



Fleet Management



DIY Car Enthusiasts

Comparison Chart

1/2

	Application	Testing Range	Battery Standard	Battery Test	Cranking Test	Charging Test	System Test	Ripple Test
BT100	Flooded/ AGM/ Gel/ EFB/ VRLA	100-2000CCA 30-220Ah(GB)	CCA/ CA/ BCI/ MCA/ DIN/ IEC/ EN/ SAE/ JIS/ GB	12V	12V	12V	×	✓
BT200	Flooded/ AGM/ Gel/ EFB/ VRLA	100-2000CCA 30-220Ah(GB)	CCA/ CA/ BCI/ MCA/ DIN/ IEC/ EN/ SAE/ JIS/ GB	12V	12V/ 24V	12V/ 24V	×	✓
BT300P	Flooded/ AGM/ Gel/ EFB/ VRLA	100-2000CCA 30-220Ah(GB)	CCA/ CA/ BCI/ MCA/ DIN/ IEC/ EN/ SAE/ JIS/ GB	12V	12V/ 24V	12V/ 24V	×	✓
BT600	Flooded/ AGM/ Gel/ EFB/ VRLA	100-2000CCA 30-220Ah(GB)	CCA/ CA/ BCI/ MCA/ DIN/ IEC/ EN/ SAE/ JIS/ GB	12V	12V/ 24V	12V/ 24V	✓	✓
BTMobile ProS	Flooded/ AGM/ Gel/ EFB/ VRLA	100-2000CCA 30-220Ah(GB)	CCA/ CA/ BCI/ MCA/ DIN/ IEC/ EN/ SAE/ JIS/ GB	12V	12V	12V	✓	✓

Comparison Chart

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	Ripple Test	Update	App	LCD Display	Built-In Printer	What's in the Box
BT100	1 time	×	×	2" Backlit	×	BT100 Battery Tester User Manual
BT200	1 time	×	×	2.4" Color	×	BT200 Battery Tester User Manual
BT300P	1 time	×	×	2.4" Color	✓	BT300P With Battery Clamps Printer Paper 3 Rolls Carrying Bag Packing Box User Manual
BT600	1 time	✓	×	3.5" Colort	✓	BT600 Battery Test Cable Mini USB Cable 3 Rolls of Printer Paper User Manual Carrying Bag
BTMobile ProS	No limit	✓	TOPDON Phoenix Series *Excl. Phoenix Nano	×	×	BTMobile ProS with Battery Clamps Carrying Case User Manual