

TORNADO 4000 PRODUCT PROFILE

TOPDON®



TORNADO4000

The Tornado4000's smart technology matches the power output to the battery's needs for safer repair and minimizes unnecessary energy consumption. With this, you can improve the performance and longevity of your batteries. With intelligent microprocessors, this product will charge two times faster than standard chargers, so you can offer timely and efficient services.



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SPCES

Input Voltage	100-240VAC, 50-60Hz
Applicable Batteries	6V, 12V, 12V Lithium Ion
AC Cable Length	8 ft. Battery Cable. 6 ft. Wall cable
Working Temperature	-20°C to 40°C (-4°F to 104°F)
Storage Temperature	-20°C to 54°C (-4°F to 130 °F)
Charging Type	9-Step Charging
Protection Rating	IP65 Cooling
Battery Types	Wet, Gel, MF, CA, EFB, AGM, & Lithium Ion
Product Dimensions	205.29x 74.17x 46.48mm (8.09 x 2.92x 1.83")
Weight	544.3g (1.2 lb)

FUNCTIONS

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- Battery Repair
- Battery Maintenance and Desulfation
- Trickle Charging



CHARGE ALL 6V & 12V BATTERIES

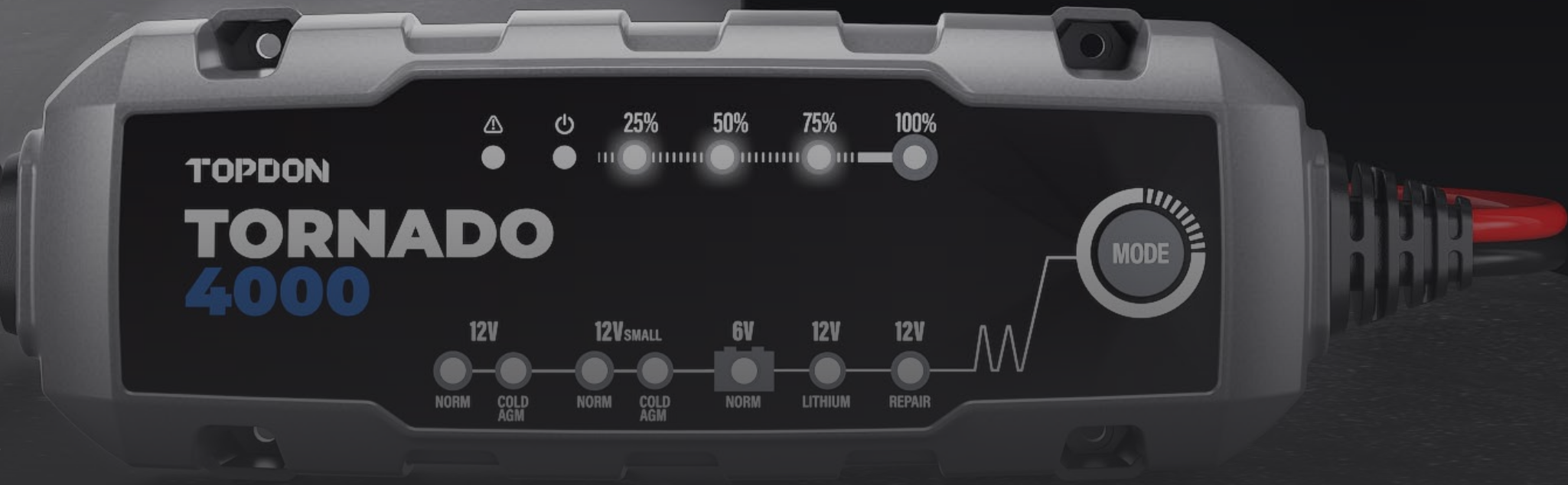


TOPDON's Tornado4000 trickle charger works on all 6V & 12V lead-acid batteries, and 12V lithium-ion batteries. It is compatible with regular flooded, AGM flat plate, AGM spiral, GEL, and deep-cycle batteries, suitable for all types of vehicles, such as cars, SUVs, motorcycles, light trucks, boats, lawnmowers, and more.

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ALL-IN-ONE CHARGER

This TOPDON Smart Battery Charger can diagnose and repair various battery problems, including power acceleration and internal resistance. It's also an advanced battery maintainer, trickle charger, and desulfator. This battery charger can automatically detect battery sulfation and acid stratification, allowing users to restore lost performance to start engines easier and extend battery life.



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SAFETY. ABOVE. EVERYTHING.



The Tornado4000 is built with user safety in mind providing spark-free operations and reverse polarity protection. The circuit protection guards against reverse polarities, sparks, overcharging, over-currents, open-circuits, short-circuits and overheating. The IP65-rated ABS shell housing seals the internal technology from dust, dirt and water.

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9-STEP SMART CHARGING



Revolutionary 9-step charging allows for faster charging and better battery maintenance. Unlike other battery repair tools, the Tornado4000 can recharge dead batteries without the risk of overcharging and further damage. Work with confidence and eliminate the possibility of overcharges!

HARD TO BREAK AND EASY TO USE

The Tornado4000 trickle charger adopts a sturdy, yet light and compact design. Weighing only 544.3g (1.20 lbs.), it's easy to carry and use anywhere. Detailed instructions combined with advanced safety features and a streamlined operating process minimizes learning curves and gives users of every experience level the ability to do the job right.



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WORKS IN EXTREME CLIMATES



The Tornado4000 is designed to counter inclement weather patterns that can alter the battery charging process. Built-in sensors automatically detect the outside temperature and alters the output charge to eliminate over-charging in hot climates and under-charging in cold climates. This charger can Repair batteries in environments ranging from -10°C to 40°C (14°F to 104°F) . Simply connect to a power source, then a damaged battery, and let this advanced tool automatically monitor, charge and maintain your battery.

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EXPLORE MORE POSSIBILITIES WITH TORNADO4000



Professional Technicians



Dealerships



DIY Community

TOPDON®

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- TOPDON TORNADO 4000**
- Portable Lithium-ion battery charger for 12V Cars & Trucks
- USER MANUAL

MODEL	TORNADO1200	TORNADO4000	TB8000
SPECIFICATIONS			
Input Voltage AC	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz
Working Voltage AC	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz
Dead Battery Charge	✔	✔	✔
Testing Voltage	✘	✘	✔
6V NORM/6V AGM	✔	✔	✔
6V Battery Repair	✘	✘	✘
12V Battery Repair	✘	✔	✔
24V Battery Repair	✘	✘	✘
12V Supply	✘	✘	✘
24V Supply	✘	✘	✘
12V Lithium	✔	✔	✔
24V Lithium	✘	✘	✘
Efficiency	85% Approx	85% Approx	85% Approx
Power	25W Max	64W Max	108W Max
Charging Current	6V/1A, 12V/1A	12V/4A, 6V/4A	6V/8A, 12V/8A, 12V/3A
Back Current Drain	< 5mA	< 5mA	< 5mA
Working Temp.	-20° to 40°C (-4°F to 104°F)	-10°C to 40°C (14°F to 104°F)	-10°C to 40°C(14°F to 104°F)
Storage Temp.	-20°C to 54°C (-4° to 130°F)	-20°C to 75°C (-4°F to 167°F)	-20°C to 75°C(-4°F to 167°F)
Charger Type	5 Step, Smart Charger	9 Step, Smart Charger	9 Step, Smart Charger
Type of Batteries	6V/12V	6V/12V	6V/12V
Battery Chemistries	Wet, Gel, MF, EFB, AGM, Lithium	Wet, Gel, MF, EFB, AGM, Lithium	Wet, Gel, MF, EFB, AGM, Lithium
Battery Capacity	6-36Ah	6-120Ah	15-260Ah
Housing Protection	IP65	IP65	IP65
AC Cable Length	2.0 m	2.0 m	2.0 m
Clip Cord Length	2.54 m	2.0 m	1.8 m
Package Dimension	172*71.7*39.6 mm(6.8*2.8*1.6")	205.4*74.1*46.5 mm (8.09*2.92*1.83")	245*100*52 mm (9.65*3.94*2.05")

FAQs

Q Will TORNADO4000 stop charging automatically after the battery is fully charged?

A

- Yes. TORNADO4000 adopts 9-step smart charging. When the battery is fully charged, it will automatically stop charging without the risk of overcharging. If you still leave the battery connected, the charger will keep monitoring the battery status and will automatically start charging when the battery voltage falls below its target threshold.

Q Is REAPIR mode applicable to all battery types?

A

- No, it can't be used for lithium batteries. However, it is applicable to all types of lead-acid batteries.



Q Which charging mode should I select?

A

- Please select the charging mode according to the battery type and capacity.

Q Why can't some batteries be used normally after repair?

A

- We recommend only applying the Repair Mode on batteries with SOH above 40%.

Q Why can't some batteries be charged?

A

- Generally, a 12V battery with a voltage lower than 8.5V is damaged and cannot be charged normally.



CONTACT US FOR MORE DETAILS

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