TOPDON®

18.8v

TOPDON

V4500 Plus

Heavy Load, Light Start.

Contents

Crafted specifically for professional and high-displacement vehicles, the TOPDON 12V jump starter V4500 Plus packs a serious punch. Boasting a peak current of up to 4500A, it swiftly revives a diverse range of vehicles – from semi-trucks and trailers to off-road vehicles and boats – in mere seconds. Plus, with the capacity for up to 45 jump-starts on a single charge, you'll always be prepared to hit the road with confidence.

But that's not all – our V4500 Plus jump starter is loaded with features aimed at enhancing your driving experience. With the capability to test your battery and monitor its status through our app, you can stay proactive in preventing unexpected breakdowns. Moreover, with its super-fast charging capabilities, it can recharge your smartphone in just 25 minutes. Additionally, equipped with 15 ultra-bright LEDs and six red warning lights, our jump starter delivers up to 500 lumens of light, ensuring you're never left in the dark.

Electrical Specifications

Peak Current:
4500A

Battery Capacity:
3.7V, 32000mAh; 120Wh

Type-C Input:
Bidirectional, PD100W, 5V⎓3A,
9V⎓3A, 12V⎓3A, 15V⎓3A,
20V⎓3A, 20V⎓5A

Type-C Output:
Bidirectional, PD100W, 5V⎓3A,
9V⎓3A, 12V⎓3A, 15V⎓3A,
20V⎓3A, 20V⎓5A

USB1 Output:
QC18W, 12V⎓1.5A, 9V⎓2A, 5V⎓3A

USB2 Output:
QC18W, 12V⎓1.5A, 9V⎓2A, 5V⎓3A

DC Output:
Max 16.8V⎓10A

Parameters

Dimensions:
320*310*175mm (12.6*12.2*6.9 inches)

Weight:
4400g (9.7lb)

Cable Length:
Positive: 380mm   Negative: 380mm

Working Temperature: **Storage Temperature:**
-10°C~55°C (14°F~131°F)   -20°C~55°C (-4°F~131°F)

Safety

1 Reverse-connections   2 Reverse-charging

3 Short circuits   4 Over-currents

5 Overheating   6 Over-discharges

7 Overload   8 Voltage fluctuations

9 Low temperature   10 Low voltage

Energize Your Big Rig's Start

The TOPDON V4500 Plus Jump Starter offers the ultimate power solution for high-displacement vehicles like semi-trucks and trailers. With a peak current of 4500A, it's specifically designed for 12V automobiles, suitable for gasoline and diesel vehicles with engine displacements of up to 16 liters.

Road Ready Starts with a Battery Check

The V4500 Plus offers more than just jump-starting capabilities. When paired with the App, it becomes a comprehensive battery tester, allowing users to conduct thorough battery tests before considering a replacement. With this 2-in-1 functionality, users can assess their batteries themselves, saving both time and money by avoiding unnecessary repair shop visits and unwarranted battery replacements.
Stay proactive in identifying potential issues and prevent unexpected breakdowns with the V4500 Plus.

Lightning-Fast Charging for Instant Readiness

Rescuers now enjoy enhanced, rapid power support with the dual-direction PD100W fast charging port of the V4500 Plus. Within a mere 90 minutes, the V4500 Plus can charge from 0% to 100%, infusing limitless power into rescue operations. Additionally, in just 20 minutes, your phone can be fully charged, guaranteeing uninterrupted connectivity.

Relentless Power for Tough Jumps

The Boost mode is tailor-made for stubborn batteries. While traditional Boost modes halt current output after a few seconds, the V4500 Plus goes the extra mile. With a sustained output time of three minutes, this robust capability ensures multiple start attempts, saving you from the embarrassment of your car stalling, especially in challenging scenarios like snowy conditions or with high-displacement engines.

Your On-the-Go Powerbank

The V4500 Plus, with its impressive 120Wh capacity, serves as a portable powerhouse, equipped with dual USB QC 3.0 fast charging ports and a 12V DC output. This versatile unit guarantees a reliable power supply for your on-board equipment such as refrigerators and dash cams.

Reliable Safety at Every Step

The V4500 Plus features an IP65-rated casing, providing comprehensive protection against dust infiltration and water damage. With 100% heavy-duty copper cables ensuring superior conductivity and durability, coupled with 10 intelligent protection technologies, including safeguards against overload, overheating, and voltage fluctuations, the V4500 Plus intelligently monitors and addresses potential risks, effectively extending equipment lifespan.

10 Intelligent Protections

Dustproof

Waterproof

Illuminate Your Emergencies

The V4500 Plus is equipped with 15 ultra-bright LEDs, providing up to 500 lumens of light, supplemented by 6 red warning lights. It's ideal for outdoor lighting, repairs, and emergency situations! With a full charge, you can enjoy up to 800 hours of continuous illumination.

Flashlight

Strobe

SOS

Warning

Comparison Chart

Comparison Chart

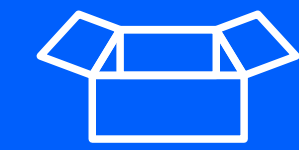| Specs	V2200Air	V2200Plus	V4500 Plus
Model	**V2200Air**	**V2200Plus**	**V4500 Plus**
Peak Amps	2200A	2200A	4500A
Capacity (mAh)	12000	16000	32000
Start Up Capacity	8.0L Gas/6.0L Diesel	8L Gas/6L Diesel	16L Gas/Diesel
Input	**Type-C:** Bidirectional, PD45W, 5V ⎓ 3A, 9V ⎓ 3A, 12V ⎓ 3A, 15V ⎓ 3A, 20V ⎓ 2.25A	**Type-C:** Bidirectional, PD60W,5V ⎓3A, 9V ⎓3A, 12V ⎓ 3A, 15V ⎓ 3A, 20V ⎓ 3A	**Type-C:** Bidirectional, PD100W, 5V ⎓ 3A, 9V ⎓ 3A, 12V ⎓ 3A, 15V ⎓ 3A, 20V ⎓ 5A
Output	**Type-C:** Bidirectional, PD45W, 5V ⎓3A, 9V ⎓3A, 12V ⎓ 3A, 15V ⎓ 3A, 20V ⎓ 2.25A **USB-A:** 5V ⎓ 3A **DC:** Max 16.8V ⎓ 10A	**Type-C:** Bidirectional, PD45W, 5V ⎓3A, 9V ⎓ 3A, 12V ⎓ 3A, 15V ⎓ 3A, 20V ⎓ 2.25A **USB1:** QC18W, 12V ⎓ 1.5A, 9V ⎓ 2A, 5V ⎓ 3A **USB2:** QC18W, 12V ⎓ 1.5A, 9V ⎓ 2A, 5V ⎓ 3A **DC:** Max 16.8V ⎓ 10A	**Type-C:** Bidirectional, PD100W, 5V ⎓ 3A, 9V ⎓ 3A, 12V ⎓ 3A, 15V ⎓ 3A, 20V ⎓ 5A **USB1:** QC18W, 12V ⎓ 1.5A, 9V ⎓ 2A, 5V ⎓ 3A **USB2:** QC18W, 12V ⎓ 1.5A, 9V ⎓ 2A, 5V ⎓ 3A **DC:** Max 16.8V ⎓10A
Length of Cable	Positive: 250mm Negative: 150mm	Positive: 250mm Negative: 150mm	Positive: 380mm Negative: 380mm
Special Features	Tire Inflation	Battery Testing	Battery Testing
App	No	Yes	Yes
Jump Capacity	25	35	45

Brief

Specs

Features

Comparison
Chart

What's In
The Box?

FAQs

What's in the Box

V4500 Plus

Battery Test Clamps

DC Adapter

PD100W Cable

PD45W Charger Adapter

User Manual

Question: What can I do when my vehicle failed to get started?

Answer: Please ensure the charge level of V4500 Plus is above 50%, and shift to the BOOST mode to start your vehicle.

Question: How long does it take to fully charge the product?

Answer: The charging time depends on the power of the charger that you use. Using a PD45W charger to get the device fully charged will cost about 2.5 hours.

Question: Is there any advice on battery testing?

Answer: To test a battery, you should get it fully charged first. Then leave it alone for at least 6 hours before testing.

Question: Can this product be used to test LiFePO4 batteries?

Answer: No, currently the product does not support testing of LiFePO4 batteries.

Question: Why does Bluetooth connection fail?

Answer: Before Bluetooth connection, some necessary permissions (such as location) must be granted. Bluetooth connection must be established from inside the app. If you have already established Bluetooth connection with the device via your phone's system settings, please undo it first and then try to establish Bluetooth connection from inside the app.

TOPDON | DIAGNOSTIC INNOVATION