

BLUETTI Apex 300

Portable Power Station

Start Simple, Scale Smart

Product Portfolio and Reviews' Guide



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BLUETTI

Pioneering Energy Transition for a Greener Planet.

BLUE Sky | **T**omorrow | **T**echnology | **I**nnovation

Founded in 2009, BLUETTI has been a pioneer in clean energy solutions. With over a decade of innovation and commitment to sustainability, BLUETTI has curated a diverse range of reliable products tailored for adventures, emergency backup power, and off-grid living, shaping a smarter, greener future we share.



MISSION

Provide clean and independent energy for all people

VISION

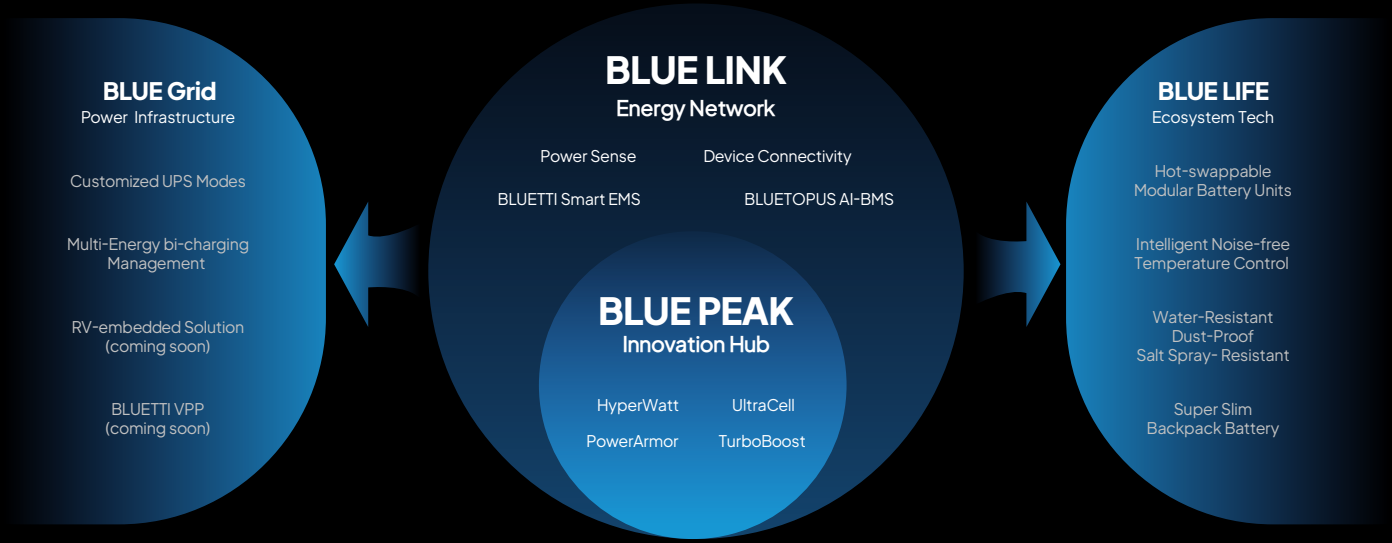
Provide energy storage solutions for every household

VALUE

Create a better world with love and innovation



BLUETTI Future Energy Tech System



BLUETTI Apex 300

Start Simple, Scale Smart

The BLUETTI Apex 300 is a versatile all-in-one power station with 120V and 240V outputs, offering unmatched flexibility and affordability. Start with a cost-effective single unit for essential backup, and seamlessly scale up with smart accessories to power your RV, off-grid life, or keep your home running during outages.

Intelligent Ecosystem for More Possibilities

- Energy ecosystem: Unlock the full potential of the Apex 300 by adding batteries and accessories, creating a dynamic power solution built around its core.
- Compatibility: Works with B300K, B300, B300S battery packs.
- Future proof: Unlock the latest features with one-tap firmware OTA upgrades.
- One-for-all: Tailored solution for home, RV, and off-grid living power needs.

40% More Battery Life

- Outperforms competitors with 2.5X longer AC standby, an extra day for fridges, and 2.5 more days for CPAPs..
- Upgrated wireless design, optimized circuit topology, algorithms, components, and custom short cables for minimal loss.

Fastest ROI: 2-Year Payback

- Let Apex 300 pay for itself in just 2 years.
- Auto bills-saving by Peak-Load-Shifting.
- Real-time savings visibility via app.
- Highest efficiency: Save $100 more annually compared to its peers.

Low Initial Investment, Flexible Expansion

- Plug-and-play: Perfect power source with 2,764.8Wh capacity, 3,840W output, and 6 AC outlets.
- Innovative modular system: Connect 2-3 units in parallel with 1-18 batteries for Max. 58kWh capacity and up to 11.52kW output power.
- Customizable power setup with minimal cost and adjust the capacity as needed.
- Efficient solar charging ranging from 4kW to 30kW using SolarX 4K.

120V/240V Dual Voltage, Effortlessly Fuel EVs and Pools

- Supports 120V/240V devices simultaneously.
- Powers 240V water pump to save electricity costs significantly.
- Charge your EV at full power with up to 11.52kW power (50A bypass included).

Smart Power, Easy Life

- Automatic extreme weather alert for worry-free outage protection.
- One-tap OTA update for system upgrades.
- Visual savings & precise control.
- Digital management of home energy use.

An All-New Intelligent Ecosystem for All Scenarios

As the hub of an intelligent energy ecosystem, Apex 300 creates a highly flexible and scalable power energy solution by integrating with portable energy storage, expansion batteries, and a suite of accessories, offering unprecedented energy experience wherever it's needed.

Flexible Power Kits for Diverse Needs

The Apex 300 supports 1–18 B300K battery packs, or B300 and B300S for a customized capacity. Whether you're powering your home, RV, adventures, or off-grid life, simply DIY your setup with these accessories:

Future-Proof with Affordable Upgrades and Cutting-Edge Technology

The Apex 300 supports one-tap OTA firmware updates, allowing seamless connectivity with various accessories. You can make the most of your system with the latest features for your evolving power needs—with minimal investment.









Apex 300 Intelligent Ecosystem

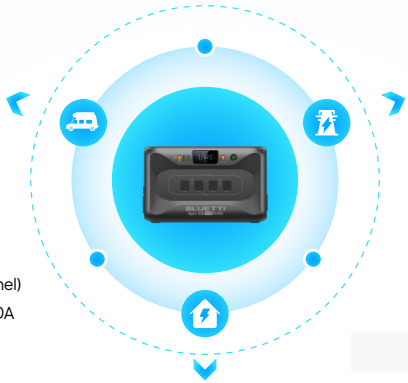
RV/Van Life

- Power for all AC and DC appliances (Hub D1)
- Expand energy storage as needed (B300K/B300/B300S)
- Make transport a breeze (Trolley)
- More Charging Options:

  Fast charging on the go (Charger 1)

  Dual charging while driving (Charger 1 + Solar Panel)

  EV charger (EV charging cable)/Shore power (30A charging cable)



Off-Grid Living

- Enhanced solar charging (SolarX 4K)
- Expand energy storage as needed (B300K/B300/B300S)
- Make transport a breeze (Trolley)
- All-in-one AC/DC Power solution(Hub D1)

Home Backup

- Scale energy storage with ease (B300K/B300/B300S)
- Connect 2–3 units for greater capacity & output (Hub A1)
- Manage and monitor energy remotely (S1 Smart Plug)
- Maximize rooftop solar efficiency (SolarX 4K)
- Automate whole-home power management (AT1)
- Make transport a breeze (Trolley)

40% Higher Efficiency for Extended Runtime

Apex 300 leads the industry with only 1/3 the energy consumption of competitors while boosting energy efficiency by 200%. Compared to other models, it saves $100 more annually, delivers 2.5X longer AC standby time, extendes fridge runtime by 1 extra day and CPAP runtime by 2.5 days.



Low Upfront Cost, High Flexibility

Starting with just 2.7 kWh of capacity, Apex 300 offers an affordable entry into smart home energy, while providing unmatched flexibility to expand as needed. Thanks to its modular design, you can easily connect 2–3 units in parallel and add up to 18 battery packs, achieving up to 11.52 kW of output and 58 kWh of capacity. From plug-and-play solutions to full home backup, Apex 300 adapts to your energy needs. Paired with SolarX 4K, it supports up to 30 kW of solar input, giving you flexibility to design your ideal energy setup.



The Fastest Payback Period

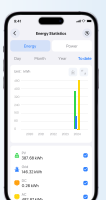
With the Peak-Load-Shifting feature, it automatically charges via grid or solar during low-rate hours and powers your home during peak pricing. Slash your bills and recoup your investment in just 2 years.

2 Years

120V/240V

Dual Voltage for EVs & Pools

Apex 300 can power both 120V and 240V devices simultaneously. It's perfect for running your pool pump (240V), saving you from high electricity costs. With 11.52 kW of bypass load capability, it can also charge your EV at full power, making it a cost-saving solution for everyday use, and a reliable backup during power outages.



Smarter,

Easier Lifestyle

Manage your energy with the user-friendly BLUETTI app: Stay ahead of outages with extreme weather alert, track your real-time savings, access the latest features with one-tap OTA updates, etc.

What's Possible with the Apex 300?

1. Plug-and-Play

0ms Seamless UPS
Apex 300 packs 2,764.8Wh capacity and 3,840W output (7,680W lifting power), supporting both 120V and 240V devices. With 0ms UPS backup, critical appliances stay running during outages without interruptions.



Generator Charging for Emergency Use
Featuring a NEMA L14-50R port, the Apex 300 can connect to generators for instant charging. So you can switch between stored energy and generator to power your home in extreme weathers, ensuring essentials like fridge, medical equipment keep running 24/7 in an eco-friendly and comfortable way.





What's Possible with the Apex 300?

2. Groundbreaking 12kW bypass (Partial Home Backup)

As the top 1 energy storage featuring a 12kW bypass load capability, the Apex 300 integrates with the grid and powers high-demand devices like EV chargers—without the risk of overloading. In the event of a power outage, the system automatically switches to backup mode, ensuring uninterrupted operation of critical devices such as routers, refrigerators, and CPAPs.

What's Possible with the Apex 300?



3. One-Stop Solution for Whole-home Backup

Thanks to its modular design, the Apex 300 can deliver up to 11.52kW of power by linking 2–3 units, and expand to a massive 58kWh by adding 1–18 battery packs. You can easily tailor your setup to meet your energy needs during an outage, starting with minimal investment and upgrading in just 5 minutes as your power demands grow.

Versatile, Scalable Home Storage vs. Traditional Home Storage:

1. Simple installation – no complex rewiring needed.
2. Save on installation costs.
3. Fast setup – no permission needed.
4. Low upfront cost and upgrade from partial to whole-home backup in 5 minutes.

What's Possible with the Apex 300?

Pair with Smart Accessories for Next-level Charging Experience



Standard Kit: Precision Power Control (with S1 Smart Plug)

The S1 Smart Plug lets you remotely monitor and control connected devices via the BLUETTI app—turn appliances on/off, set schedules, view the real-time energy usage, all from your smartphone.



PRO Kit: Digital Power Management (with AT1 Smart Distribution Box)

Whole-Home Power Distribution

The Apex 300 can integrate with third-party microinverters, generators, or grid-tied solar systems as an intelligent energy hub using the AT1 Smart Distribution Box. Manage every watt across your home through the BLUETTI app—seamlessly balancing solar, grid, and battery power for ultimate efficiency.

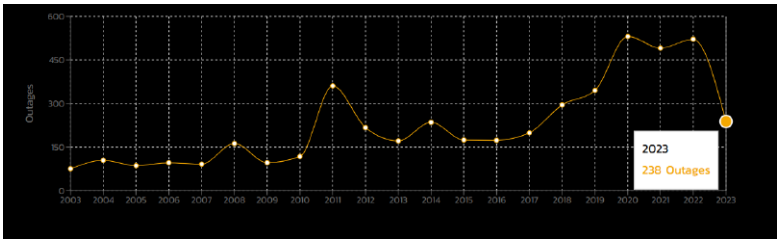
Black Start Solar/Generator Charging During Long-Term Outages

If the energy runs low, the Apex 300 can be recharged via the solar system or a 240V generator, ensuring non-stop power supply during extended outages.

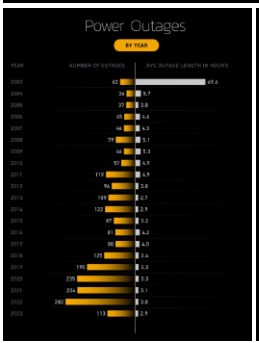
Automatic Load Management

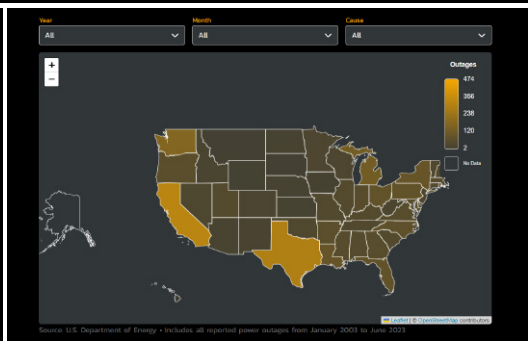
In extended outages, the system automatically power on/off loads based on the remaining battery to prioritize critical devices. For instance, turning off the EV chargers can extend runtime for other essentials.

The U.S. Power Outages



Power Outage Timeline





Nationwide Power Outage

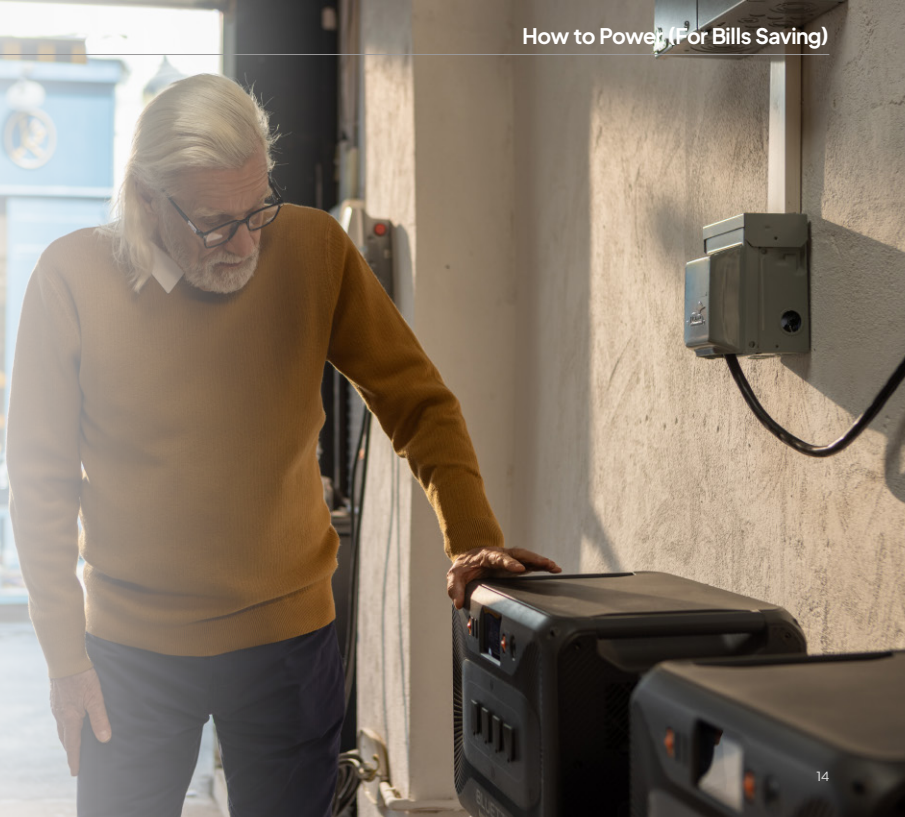
Scalable Power Plans for Frequent Outages

Power Demands	Accessible Loads	Power Experience	BLUETTI Backup Plans
Emergency Essential power for short-term outages	Refrigerator, light, smartphone, laptop, router, A/C, etc.	Lightweight and flexible, can support critical devices with minimal initial investment. Ideal for first-time users.	Apex 300 + B300K + Solar Panel (Optional) (5.4kWh)
Comfort & Convenience Uninterrupted power during short, frequent outages	TV, oven, washing machine, etc.	Ensures essential devices and medical equipment keep running as usual.	2 x Apex 300 + 2-4 x B300K + Solar Panel (Optional) (10-21kWh)
Whole-Home Backup Seamless power for entire home during extended outages	High-power kitchen appliances, water pump, EV charging, etc.	Effortlessly charge heavy-duty devices or EV even when long-term outages occur.	3 x Apex 300 + 3-6 x B300K + Solar Panel (Optional) (16-24kWh)

*Data sourced from Paylesspower website.

Let Apex 300 Pay for Itself in 2 Years

Enable the Peak-Load-Shifting in BLUETTI app, the Apex 300 prioritizes charging using solar power and the grid during off-peak hours, and powers your home during peak pricing period. This allows you to save on energy costs and recoup your investment in as little as 2 years.



Payback in 2 Years with Solar Charging!

	Apex 300 + SolarX 4K + Solar Panel	Apex 300 + B300K + SolarX 4K + Solar Panel	Apex 300 + 2 * B300K + SolarX 4K + Solar Panel
Total Cost	$3,898	$4,943	$5,988
Payback Period	**1.8 Years**	**2.3 Years**	**2.8 Years**

Yearly savings on electricity bill = (0.6-0.2)* 3.2 * 0.9 * 1,850 = $2,131

e.g. For the first combo, Payback period = 3,898 / 2,131 ≈ **1.8 Years**

Notes:

a. Assumed electricity rates: Peak: 0.60/kWh, Off-peak:0.20/kWh; AC inverter efficiency (90%); Solar input (3.2kW) with losses.
b. The assumed solar panels are purchased at $0.50/W, with a maximum of 4,000W. Installation and additional fees are not included.
c. Solar panels generate 80% of rated power due to shading, cloud cover, temperature, etc.
d. Assuming that every kWh of power charged via solar is fully utilized.
e. U.S. average sunlight: 1,850 hours (varies by region; source: NREL).

- Texas, Florida, Kansas: ~1,850 hours
- California, Arizona, New Mexico: ~2,200 hours
- New York, Washington, Michigan: ~1,400 hours

Save Your Bills with Peak-Load-Shifting

	Apex 300	Apex 300 + B300K	Apex 300 + 2 * B300K	Apex 300 + 3 * B300K	Apex 300 + 4 * B300K	Apex 300 + 5 * B300K	Apex 300 + 6 * B300K
Total Cost	$1,499	$2,544	$3,589	$4,634	$5,679	$6,724	$7,769
Capacity (kWh)	2.76	5.52	8.28	11.04	13.8	16.56	19.32
Arbitrage Electricity Price	$0.4						
Payback Period	4.4 Years	3.7 Years	3.5 Years	3.4 Years	3.3 Years	3.3 Years	3.2 Years

Payback Period = Total cost / (Arbitrage price * Capacity * Energy efficiency) / 365 days

For the Apex 300 + B300K combo, the Payback Period = 2,544 / (0.4 * 5.52 * 85%) / 365 ≈ **3.7 Years**

Key Assumptions:

a. Electricity Rates: Peak: 0.60/kWh, Off–peak:0.20/kWh (based on U.S. rates; may vary by region).
b. Energy Efficiency: Approximately 85% due to charging and discharging losses.
c. Usage: 1 full charge cycle per day, aligning with daily peak and off-peak cycles.

Scalable Power Plans for Saving Electricity Bills

Perfect for areas with big electricity price difference between peak and off-peak hours. Recommended power plans are calculated based on the family's average monthly power consumption and accessible loads.

Monthly Power Consumption	Accessible Loads	User Benefits	BLUETTI Power Plans
Single Family 200kWh - 300kWh (6kWh-10kWh Daily)	Refrigerator, light, phone, laptop, routers, A/C, etc	Avoid peak pricing, save energy costs, and achieve energy independence with Peak-Load-Shifting	Apex 300 + 1-4 x B300k + Solar Panel (Optional) (5kWh-13kWh)
Family of 2 400 kWh - 600 kWh (13kWh-20kWh)	TV, oven, washing machine, etc.		2 x Apex 300 + 2-6 x B300K + Solar Panel (Optional) (10kWh-24kWh)
Family of 4 800 kWh - 1,200 kWh (26kWh-40kWh Daily)	High-power device like EV, kitchen appliances, water pump, etc		3 x Apex 300 + 6-9 x B300k + Solar Panel (Optional) (24kWh-32kWh)
Family of Six or More 1,500kWh - 2,000kWh (50kWh-70kWh Daily)	High-power devices like EV, kitchen appliances, water pump, etc		3 x Apex 300 + 9-18 x B300K + Solar Panel (Optional) (32kWh-58kWh)

Powering Up the Apex 300 with Industry-Leading Fast Charging

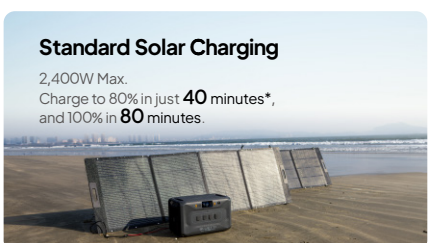
Enhanced Solar Charging

With the world's first 500V/4000W PV voltage regulator—the BLUETTI SolarX 4K, you can achieve a Max. input of 30kW.This system is compatible with existing solar setups, offering up to 126 charging options, ideal for DIY enthusiasts looking to customize their charging solution.
1* Apex 300: 2,400W + 4,000W = 6,400W, Full charge in 1.2 hours
2* Apex 300: 2 x (2,400W + 4,000W) = 12,800W, Full charge in 1.1 hours
3* Apex 300: 3 x (2,400W + 4,000W) = 19,200W



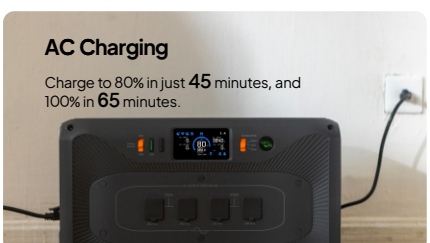
Standard Solar Charging

2,400W Max.
Charge to 80% in just **40** minutes*, and 100% in **80** minutes.



AC Charging

Charge to 80% in just **45** minutes, and 100% in **65** minutes.



120V/240V Generator Charging

Compatible with 120V/240V generators, with a Max. charging power of 11.52kW at 50A (240V).
*Pure sine wave generator





More Flexible, Smarter Power Experience

Perfect Solution to Power Outages

Power through outages due to extreme weather, so your life won't be affected by food spoilage, work disruptions, or security system failures.

Lower Electricity Bills

Enable Peak-Load-Shifting in app, and take advantage of low utility pricing to save on bills, making a payback period as fast as 2 years.

Smart Power Makes Life Easier

1. Smart Power at Your Fingertips

1) Pioneering Extreme Weather Alerts: Enable the disaster alert mode via the app, Apex 300 automatically charges using the grid and solar in advance, preparing for potential power outages. No manual intervention needed—once the disaster is over, the system returns to its default operation, ensuring continuous power for daily use.

2) Visualized Data: Have a clear view of savings and power usage.

3) AI-Powered OTA Upgrades: Stay up-to-date with the latest features and improvements, like the compatible 208V devices.

2. Smart Accessories for Enhanced Experience

Improve your power setup with the S1 Smart Plug and AT1 Smart Distribution Box.

120V/240V Dual Voltage for Whole-home Use (US Only)

Apex 300 supports 120V and 240V simultaneously, allowing you to power all devices at once, including refrigerator, oven, central air conditioning, or EV charging, Also, it can handle 208V devices, ideal for homes, small businesses, apartments, or warehouses.

Quieter & More Eco-Friendly

Compared to gas generators, the Apex 300 is quieter, cleaner, and easier to operate with lower maintenance costs. You can charge it quickly during the day with a generator and enjoy a peaceful night with stored energy.



Accessible Loads

1. Kitchen

Appliance	Refrigerator	Induction Cooker	Microwave Oven	Rice Cooker
Rated Power	150–300W	1,800–2,200W	1,000–1,200W	500–800W
Startup Power	800–1,200W	2,200–2,500W	1,500W	1,000W
Runtime	35–70 hours	4–5 hours	8–10 hours	12–15 hours

2. Home Office

Appliance	Computer	Laptop	Printer	Router/Modem
Rated Power	300–500W	60–100W	400–800W	20–40W
Runtime	20–35 hours	100–150 hours	12–25 hours	250–500 hours

3. Entertainment

Appliance	TV	Gaming Console	Audio System	Projector
Rated Power	100–200W	150–300W	200–400W	250–350W
Runtime	50–100 hours	35–70 hours	25–50 hours	30–40 hours

4. Smart Home

Appliance	Smart Switch + LED Lights	Temperature Controller + Sensors	Smart Lock + Controller	Central Hub + Control Panel
Rated Power	100–200W	50–100W	10–20W	30–50W
Runtime	50–100 hours	100–200 hours	500+ hours	200–300 hours

5. Security System

Appliance	Security Camera	Alarm Hub	Motion Detector	Emergency Lighting
Rated Power	5–10W	20–30W	5–8W	50–100W
Runtime	1,000+ hours	300–400 hours	1200+ hours	100–200 hours





How to Charge Your RV via Apex 300?

❶ As a Mobile Power Supply – Plug and Play

Ideal for casual RV enthusiasts, the Apex 300 requires no heavy investment or modification, and is compatible with all RV models.

(1) Direct Charging

The Apex 300 features 6 AC output ports and can be directly connected to the RV's air conditioning, oven, coffee machine, heater, and other electrical appliances.
The Hub D1 can be easily mounted on the Apex 300, saving space and providing a variety of connections:

It can power DC devices such as Starlink, refrigerators, vehicle lights, water pumps, fans, etc., enhancing the comfort of your RV experience.

(2) RV Mobile Shore Power

The Apex 300 comes with a TT-30 interface, allowing direct connection to the RV's shore power, providing electricity to all large AC appliances in the RV.

How to Charge Your RV via Apex 300?

❷ Embedded Power Supply: Comfortable Off-Grid Living for the Long Haul

Perfect for medium to heavy-duty RV enthusiasts, the Apex 300 + DC Power Hub is designed to power all DC devices with just a simple DIY setup. The Hub D1 features a 12V/50A Anderson port, which can be connected to the RV's DC panel to power high-wattage devices. This system ensures comfortable off-grid experience, making long-term travel feel like home.





Why Choose the Hub D1?

9 Output Ports:

- **2** x Cigarette Lighter Port
- **2** x 100W USB-C PD 3.0
- **2** x 5V 3A USB-A
- **2** x DC5521 Port
- **1** x 50A Anderson



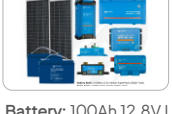
700W Max. Current
Meets most RV power requirements.

50A Anderson Port
Designed for DIY RV enthusiasts, and effortlessly power heavy-duty appliances.

Flexible Setup
Attach to the Apex 300, use straps, or mount on the wall.

Wide Application
Suitable for both beginners and advanced users.

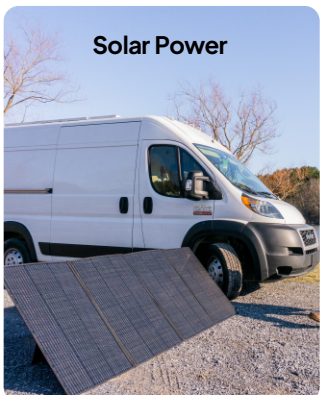
BLUETTI Apex 300 RV Power Solution VS. Victron RV Solar Kit

	BLUETTI Apex 300 RV Power Solution	Victron RV Solar Kit
Capability	Whole RV AC+DC Power Solution Power for the Essentials 2,764.8Wh-19,353.6Wh, 3,840W	Power for the Essentials 1,000W, 2,560Wh
Flexibility	Flexible to fix in RV, and take it out for camping anytime.	Fixed installation and use in RV only.
Charging Method	Campsite charging source: 3,600W, Solar charging: 2,400W Car alternator via Charger 1, EV charging, Generator charging	Heavily rely on solar energy, power runs out when it's cloudy or at night.
Compatibility	All RVs / Trailers / Vans	Truck Camper, Van Conversion, Class B RV
Installation	All-in-One, Easy Installation, Plug-and-Play	Fixed Installation, Complex Wiring
Smart Control	BLUETTI App	×
Package	 Apex 300+B300K+Hub D1+Solar Panel	 **Battery:** 100Ah 12.8V $LiFePO_4$ battery (x2) **Solar Array:** 200W Rich Solar Panel (x2) **Solar Charge Controller:** 100V 30A 12V Solar MPPT **Inverter:** 1,200VA Pure Sine Wave Inverter – 1,000W Continuous Output Rating **Charger:** IP22 30A 120V Battery Charger **Others:** 500A SmartShunt 500A, 100A BatteryProtect, Lynx Distributor **Optional:** 30A Orion DC-DC charger for alternator charging

Charge Wherever You Go



3,600W Max. AC charging, full charge in 70 minutes



2,400W solar charging, dual MPPT technology, charge to 80% in 40 minutes, 100% in 2.1 hours



3,600W Max. AC charging, full charge in 70 minutes



Use EV charging cables
Charge to 100% in 65 minutes



Ideal Power Source for RV Living

With a massive 2,764.8Wh capacity and 3,840W power output, the Apex 300 can cover your family's power demands during a weekend trip, easily handle high-power appliances like RV air conditioners and kitchen devices, simultaneously power multiple devices in your RV, or replace your gas generators for a quieter, more eco-friendly, and hassle-free charging experience.

Compact & Space-Saving
The Apex 300 features all-new compact design with an energy density 40% higher than other brands. It is one of the most portable power station in the industry, perfectly suited for RVs.

User-Friendly
Plug-and-play and easy to use for even first-time RV users.

Wide Application
Whether for portable power or DIY modifications, it allows great comfort and convenience no matter how you use it.

Universal Compatibility
Compatible with all types of RVs, including trailers, Class A, and other common models.

Multi-Functional Trolley for Outdoor Mobility
The trolley is designed to move the Apex 300 across grass, sand, or uneven terrain effortlessly and efficiently.



Accessible Loads

1. Air Conditioner

Type	Rated Power	Runtime
13,500 BTU	1,400–1,600W	6–8 hours
15,000 BTU	1,600–1,800W	5–6 hours
Dual-Unit System	2,800–3,200W	3–4 hours

2. Kitchen

Appliance	Rated Power	Runtime
Induction Cooktop	1,800–2,200W	4–5 hours
Microwave	1,000–1,200W	8–10 hours
Electric Kettle	1,200–1,500W	7–8 hours
Refrigerator	120–150W	70+ hours

3. Entertainment

Appliance	Rated Power	Runtime
42–inch TV	100W	90+ hours
Gaming Console	150W	60+ hours
Audio System	200W	45+ hours
Laptop	60W	150+ hours
Tablet	30W	300+ hours

2. Kitchen

Appliance	Rated Power	Runtime
LED Lighting Strip	100W	90+ hours
RV Interior Lighting	50W	180+ hours
Ambient Lighting	30W	300+ hours
Emergency Lighting	20W	450+ hours



All-in-One Power Hub for Off-Grid Freedom

The Apex 300, with its 3,840W power output, easily runs high-power tools like saws, drills, and air compressors. Its 7,680W peak power ensures smooth startup for devices with high initial power demands, maintaining stable operation.

For Running AC/DC Devices Simultaneously

When paired with the Hub D1, the Apex 300 can support up to 15 devices simultaneously, including lighting, communication tools, portable appliances, and essentials. The 12V/50A Anderson port allows for additional load capacity, with a Max. output of 700W.

2,400W Solar Charging

Dual MPPT, charge to 80% in 40 minutes,
and 100% in 80 minutes.

80% (40 minutes) 100% (80 minutes)

Enhanced Solar Charging

With the world's first 4,000W PV voltage regulator — the BLUETTI SolarX 4K, you can achieve a Max. input of 30kW.This system is compatible with existing solar setups, offering up to 126 charging options, ideal for DIY enthusiasts looking to customize their charging solution.

1* Apex 300: 2,400W + 4,000W = 6,400W, Full charge in 1.2 hours
2* Apex 300: 2 x (2,400W + 4,000W) = 12,800W, Full charge in 1.1 hours
3* Apex 300: AC + 6 x XT60 + 3 x SolarX 4K = 11,520W + 7,200W + 1,2000W = 30,720W







Achieve Energy Independence in Off-Grid Scenarios

High Capacity and Long Runtime

Lower self-consumption contributes to a longer runtime, meeting extended power needs.

Easy Expansion for Changing Needs

The modular system allows flexible power expansion with 2–3 units and extra battery packs, adapting to evolving power requirements.

Self-Generated Power for All Power Demands

No longer exclusively rely on the grid, it utilizes solar energy for self-generation and consumption, offering unparalleled freedom and convenience.

Customizable Multi-Functional Trolley for Outdoor Mobility

Designed for outdoor use, the trolley features a robust structure and durable casters, ensuring smooth movement over various terrains.



Accessible Loads in Off-Grid Cabin

1. Home Appliances	Runtime
LED Lights (5W-50W)	55–500 hours
Refrigerator (120–150W)	70+ hours
Water Heater (500–1,500W)	1–5 hours
Microwave (1,000–1,200W)	2–2.5 hours
Induction Cooktop (1,800–2,200W)	1.5 hours
Space Heater (1,500W)	1.5 hours
Heater (1,000–1,500W)	2 hours

2. Kitchen Appliances	Runtime
Electric Kettle (1,200–1,500W)	2 hours
Coffee Machine (1,000–1,200W)	2.5 hours
Dishwasher (1,500–2,000W)	1.5 hours
Oven (1,000–1,500W)	2–2.5 hours

3. Power Tools	Runtime
Saw (1,200–1,800W)	1.5–2 hours
Drill (500–800W)	3–5 hours
Air Compressor (1,000–1,500W)	1.5–2.5 hours
Hair Dryer (1,200–2,000W)	1.5–2 hours
Impact Drill/Electric Tools (800–1,200W)	2–3 hours

4. Other	Runtime
Electric Scooter/Electric Tool Charging (50–300W)	9–55 hours





Power on Hand, Freedom to Explore

The Apex 300 transforms into a portable power station for your vehicle, providing electricity without the need for external power sources or complicated setups. Whether you're camping in the wilderness or driving on the highway, power is always at your fingertips.

Standalone Mobile Power

Universal AC Output

Equipped with 6 AC outlets, the Apex 300 can easily power a variety of appliances, including Starlink devices, vehicle air conditioners, portable ovens, coffee machines, and space heaters. Whether you're stargazing late into the night or enjoying a hot cup of coffee at dawn, your power needs are always met, making your journey more comfortable.

Customized High-Power Hub D1

With a variety of ports, including 2 x cigarette lighter ports, 2 x 100W USB-C PD 3.0 ports, 2 x USB-A (5V/3A) ports, 2 x DC5521 ports, and 1 x 50A Anderson port, it perfectly matched with the Apex 300, providing continuous power to your smartphones, laptops, fans, water pumps, and various lighting systems.

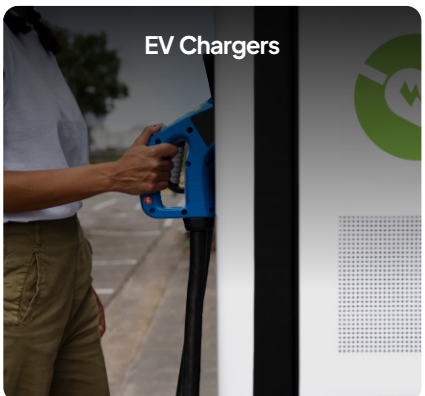
Multiple Charging Options



2,400W Max. input, dual MPPT,
charge to 80% in 40 minutes,
100% in 80 minutes.



3,600W Max. AC charging,
full charge in 70 minutes



Use EV charging cables
Charge to 100% in 65 minutes



Reliable Power, Unstoppable Journey

Mobile Power Anytime, Anywhere

With a massive 2,764.8Wh capacity and 3,840W power output, the Apex 300 offers a hassle-free charging experience for your road trips.

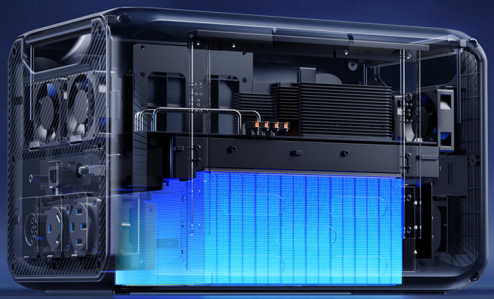
Compact & Space-Saving

The Apex 300 features all-new compact design with an energy density 40% higher than competitors. It is one of the most portable power station in the industry, perfectly suited for vehicles.

Multi-Functional Trolley for Outdoor Mobility

The trolley is designed to move the Apex 300 across grass, sand, or uneven terrain effortlessly and efficiently.

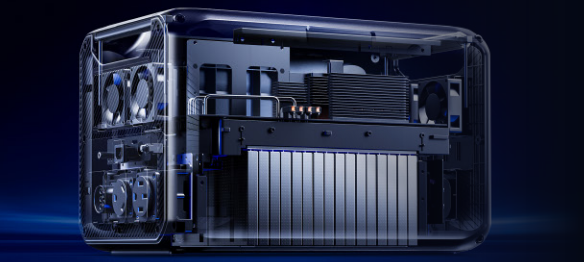
Powered by UltraCell



1 Industry-Leading Longevity: 17-Year Lifespan

Powered by 2nd-gen automotive-grade $LiFePO_4$ battery cells, BLUETTI sets the industry benchmark with 6,000+ charge cycles (80% capacity) and up to 17 years of reliable use—2X longer than competitors.

Certified by CNAS, meeting 33 automotive battery cell testing standards for superior charge/discharge performance, capacity retention, vibration resistance, overcharge/over-discharge protection, short-circuit protection, high-temperature protection, and extended cycle life.



2 Industry-Best Energy Efficiency Ratio

Five Upgrades for Ultra-Low Self-Consumption (1/3 of Competitors)

a. Wireless Magnetic Integrated Transformer
Simplifies internal wiring reduces energy loss, improves conversion efficiency, and extends lifespan by preventing cable aging.

b. Optimized Circuit Topology
Advanced technology simplifies the circuit from three levels to two, significantly reducing energy loss.

c. Enhanced Software Algorithms
Intelligent load management, optimized charging strategies, efficient algorithms, and real-time monitoring and feedback, all contribute to lower power consumption.

d. Upgraded Components
High-quality components, from heat sinks and inductors to fans, ensure superior stability.

e. Custom Short Cables
Minimizes energy loss when connecting with B300K expansion battery.

3 Industry-Smoothest System Adaptability

Our self-developed AI-driven technology intelligently monitors and adjusts charging/discharging, balances battery pack lifespans, and maximizes discharge performance. It ensures system stability, prevents failures from imbalanced loads, and maintains stable power output even if one battery pack malfunctions.



Powered by PowerArmor



4 Industry-Safest Power Experience

AI-BMS:
Proprietary multi-layer protection against overcharging, overheating, and short circuits.

Robust Structural Durability:
Exceeds industry standards by 50% in drop resistance (1.5M vs. 0.75M), ideal for harsh outdoor environments.

Fire and Shock Resistance:
Utilizes top-grade flame-retardant materials for enhanced durability and safety.

5 Industry's Most Space-Efficient Home Backup Solution

30%
Space Utilization



40% Higher Energy Density Than Competitors:

a. Optimized circuit topology for compact internal layouts.
b. Modular structure improves space utilization by 30%.
c. Highly integrated chip systems for smaller footprints and higher energy capacity.
d. Zero-gap stacking technology for better structural integrity.
e. Magnetic integrated transformer for higher energy density and compact size.

Powered by BLUELIFE Ecosystem

6 Industry-First Hot-Swap Technology V2.0

Allows seamless addition or removal of Apex 300 units or battery packs without powering down, ensuring uninterrupted home power supply and effortless scenario switching.





Powered by BLUEGRID Infrastructure

7 Industry-Top 120V/240V Dual Voltage for Whole Home

Designed for U.S. households, the dual-inverter system supports simultaneous use of low and high-power appliances, delivering unmatched versatility.



A Comparative Analysis with Competitors

	 BLUETTI Apex 300	 EcoFlow Delta Pro 3	 Anker F3800 (Plus)	 Jackery Explorer 5000 Plus	 Zendure SuperBase V4600
Capacity	2,764.8Wh	4,000Wh	3,840Wh	5,040Wh	4,608Wh
Output Power (Single Unit)	3,840W	4,000W	6,000W (9,000W Surge)	7,200W	3,800W
Parallel Connection	√ US/CA/EU/AU (Up to 3 Units)	√ (Up to 3 Units)	√ (Up to 2 Units)	√ (Up to 2 Units)	√ (Up to 2 Units)
Max. Output Power (Parallel)	11.52kW	12,000W	12,000W	14,400W	7,600W
Max. Expansion Capacity (Single Unit)	19.3kWh	16KWh	26.9kWh	30kWh	23kWh
Max. Expansion Capacity (Parallel)	58kWh (3 x Apex 300 + 18 x B300K)	48kWh	53.8kWh	60kWh	46kWh
Battery Type	**Automotive-Grade LFP (Prismatic Cell)**	LFP	LFP	LFP	LFP
Life Cycle	**6,000+ (80%)**	3,500	3,000	4,000	6,000
Warranty	5 Years	5 Years	5 Years	5 Years	3Y+2Y
Total Outlets	6 AC Outlets 9 DC Output ports with DC Hub D1	15	14	9	16

	 BLUETTI Apex 300	 EcoFlow Delta Pro 3	 Anker F3800 (Plus)	 Jackery Explorer 5000 Plus	 Zendure SuperBase V4600
Outputs	Apex 300 4 * AC Outlet (3,840W Max.) 1 * NEMA TT-30R (120V/30A) 1 * NEMA 14-50R (120/240V, 50A) Hub D1 2 * 120W Car Port 2 * 5521 Port 2 * 15W USB-A 2 * 100W USB-C 1 * 50A Anderson Output (600W Max.)	5 * AC Outlet 2 * 38W 5521 2 * 12W USB-A 2 * USB-A Fast Charging 2 * 100W USB-C 1 * 126W Car Port 1 * 30A Anderson Output	6 × AC Outlet 2× 12W USB-A 3× 100W USB-C 1× 120W Car Port 1 × NEMA 14-50 1 × L14-30 Port	4 × AC Outlet 2× 12W USB-A 2× 100W USB-C 1× 120W Car Port 1 × NEMA 14-50 1 × L14-30	4 * 120V AC Outlet 1 * 240V AC Outlet 1 * 30A TT-30 1 * 30A Anderson Output 2 * 38W 5521 2 * 12W USB-A 2 * 100W USB-C 2 * 20W USB-C 1 * 120W Car Port
AC Input	1,800W (120V) 3,840W Max. (120V/240V) 11,520W Max. (3 Units in Parallel)	1,800W (120) 4,800W (240V) 12,000W (3 Units in Parallel)	1,800W (120V) 6,000 (240V)	4,300W	1,800W (Low wattage) 3,600W (High wattage)
PV Input	**2,400W / 4,000W (With SolarX 4K)** **6,400W (Panel + SolarX 4K)** **19,200W (3 Units in Parallel)** **Compatible with PV Microinverter**	1,600W / 7,800W (3 Units in Parallel)	3,200W / 6,400W (Parallel)	1,000W (Low PV) 4,000W (High PV) 7,200W (Smart Panel)	3,000W / 6,000W (Parallel)
Charging Time	AC: 45mins (80%) PV: 40mins (80%) / 1.5H (100%) Enhanced PV Charging: 2.1H (100%)	AC: 50mins (60%) / 1.8H PV: 2.8-5.6H	AC: Unknown PV: 1.5H (80%)	AC: 1,800W, 1.7H PV: 1,000W, 6.5H High-voltage PV charging: 4,000W, 1.7H	AC: 2.2H（80%） PV: 2-3H
Charging Options	AC/PV/Car/Generator/ ATS-Microinverter	AC/PV/Car/Generator	AC/PV/Car/Generator	AC/PV/Smart Transfer Switch/ High-voltage PV/Hybrid Charging	AC/PV/Car/Generator
Bidirectional Inverter (No AC Adapter Required)	√	√	√	√	√

	 BLUETTI Apex 300	 EcoFlow Delta Pro 3	 Anker F3800 (Plus)	 Jackery Explorer 5000 Plus	 Zendure SuperBase V4600
Bypass Charging	**√ (50A, 11,520W Max.)**	√	120V: 1,440W , 240V: 6,000W	√	√
UPS Switching	√ （0ms US/JP/CA; 20ms for others)	10ms UPS	√	√ Backup UPS: <20ms, Onine UPS: 0ms	√
MPPT	√ (Dual)	√ (Dual)	√ (Dual)	√ (Dual)	√
App Control	√ (WiFi & Bluetooth)	√ (WiFi & Bluetooth)	√ (WiFi & Bluetooth)	√ (WiFi & Bluetooth)	√ (WiFi & Bluetooth)
Touch Screen	LCD Display	Black-and-white X3 Button	LCD Display	LCD Display	LCD Display
Ergonomics	Recessed Handle	Extended Handles + and Wheels	Extended Handles and Wheels	Extended Handles and Wheels	Extended Handles and Wheels
Noise	Slient Mode: 40dB Standard: 50dB	30dB	-	30dB	-
Weight	38kg / 83.78lbs	45kg / 99lbs	62 kg / 136.7lbs	61 kg / 134.5 lbs	55kg / 121lbs
Dimensions (L x W x D)	20.67 x 12.87 x 12.6in (525 x 327 x 320mm)	63.5cm x 28.4cm x 42 cm (25 x 11.2 x 16.6in)	70.2cm × 38.8cm × 39.5 cm (With 65 mm Wheels) (27.6 × 15.3 × 15.6in)	63.5 x 39.5 x 41.8 cm (25 x 15.5 x 16.5 in)	73cm x 32cm x 44.7 cm (28.7 x 12.6 x 17.6in)

	 BLUETTI Apex 300	 EcoFlow Delta Pro 3	 Anker F3800 (Plus)	 Jackery Explorer 5000 Plus	 Zendure SuperBase V4600
Uniqueness	1. BLUETTI Apex 300 smart ecosystem powers for all scenarios. 2. 120V/240V dual voltage allows simultaneous charging and discharging. 3. Store sufficient energy before extreme weather with the Disaster Alert feature. 4. The AT1 Smart Distribution Box integrates with existing solar/power systems for whole-house backup, supports the Black Start rooftop solar system, remotely starts/stops generator charging, and turns on/off high-power loads based on the remaining battery. 5. Up to 700W output for both 12V/24V devices. 6. Self-adaptive and automatically switching between single and parallel modes. 7. Charge Tesla at Full Power using a Wall Connector (Fixed installations)				
Outstanding Highlights	1. 22W low power consumption (AC+DC) – The world's lowest payback period in just 2 years. 2. 50A bypass for each unit, Max. 11.52kW for full-house support. 3. One-stop power solution, customize the capacity as needed without high initial costs 4. Functional and versatile trolley – Large wheels, 4–wheel drive, secure clip, extendable handle. 5. Supports up to 30kW PV charging when paired with AT1 and SolarX4k. 6. 2–Gen Automotive-Grade LFP battery – Over 6,000 charge cycles to 80%. 7. Innovative EnerBalance technology – Enhances energy balance and system stability for parallel connection. 8. Industry-leading energy density – Compact and space-saving.				
Conclusion	Our power station offers superior compatibility, supporting rooftop solar microinverters and older batteries while providing a wide range of accessories for diverse power needs. It features low self-consumption for extended appliance runtime and supports 50A bypass charging with up to 12kW of power. With a lower starting cost per unit, users can access high power at a more affordable price. The advanced battery technology ensures a longer lifespan, self-balancing, and higher energy density, which also allows for a more compact overall device size. It enables simultaneous 120V/240V charge and discharge, includes a true 0ms UPS for seamless backup, and delivers up to 700W max DC output for greater DC appliance compatibility. With these cutting-edge features, our power station delivers reliable, efficient, and versatile energy solutions for a wide range of applications.				

Comparative Accessories Analysis

	 BLUETTI Apex 300	 EcoFlow Delta Pro 3	 Anker F3800 (Plus)	 Jackery Explorer 5000 Plus	 Zendure SuperBase V4600
Compatible Battery	B300K (6 Max. per unit) B300S (6 Max. per unit) B300 (4 Max. per unit) B230 (Power bank mode)	1. DELTA Pro 3 Smart Extra Battery 2. Smart Generator 4000 3. DELTA Pro Smart Extra Battery	Anker Solix BP3800	Battery Pack 5000 Plus	Extra Battery
AC Charging Accessory	1. 30A(120V), 3600W Max. 2. 50A(120V/240V), 3,840W (Single Unit) 12kW (Bypass Charging) 3. EV Charing Cable	1. EV X-Stream Adapter 2. 20A (120V), 3600W Max.	1. 30A, 120V Cable, sold with home panel 2. 50A 120V/240V, Sold with home panel	Power Input/Output Cable	1. ZenY Pro Cable (5-15) 2. ZenY Pro Cable (TT-30)
Home Connect Accessory	1. ATI Smart Distribution Box 2. Reliance Sub Panel (transfer switch) 3. AC Parallel Box 4. S1 Smart Plug	1. Smart Panel 2 2. Smart Plug 3. Transfer Switch 4. Power Insight	1. Smart Home Power Kit 2. Transfer Switch 3. Double Power Hub 4. Home Power Panel Cable	1. Smart Transfer Switch 2. Manual Transfer Switch	Parallel Box
Solar Charging Accessory	1. SolarX 4K, 4,000W Max, support 500V VOC 2. Range of Foldable Solar panels	Range of Foldable Solar panels	1. Range of Foldable Solar panels 2. Range of solar cables	1. DC Extension Cable for Solar Panel 2. Range of Solar panels	Range of Foldable Solar panels
Other Accessory	1. DC Hub, 700W Max. 2. Alternator Charger, 560W 3. Foldable Trolley 4. Long & Short Expansion Cable	1. Alternator charger, 800W 2. Smart Plug 3. Short Expansion Cable 4. Trolley, Hand truck 5. Flat Expansion Cable	1. Protective Cover 2. Rubber Base Support	1. Explorer 5000 Plus Protective Cover	



Key Selling Points

For Energy/Solar KOL

Industry-First 50A Bypass Capability

When installed as a fixed system and connected to the grid, Apex 300 supports up to 12kW bypass load capacity, effortlessly charging your EV at full power.

Low Upfront Costs, High Flexibility

With just 2.7kWh of capacity, you can start with minimal investment and unmatched flexibility to expand your setup as needed.

From Partial to Whole-home Use

Connect 2–3 units with up to 18 battery packs, offering up to 11.52kW output power and 58kWh capacity. Whether you're looking for a plug-and-play solution or whole-home backup, Apex 300 handles it all. World's 1st Power Station to support EV charging at full power. (With 3 units in parallel)

120V/240V Dual Voltage Charging

Apex 300 supports simultaneous charging and discharging with both 120V and 240V. For example, it can charge via a 120V outlet while simultaneously outputting 240V, no need to switch between input/output voltages.

Back-to-back testing with EcoFlow Delta Pro 3 and Anker F3800.



Key Selling Points For Energy/Solar KOL

Lowest Self-Consumption in the Industry

With only 20W/h of AC self-consumption, Apex 300 consumes 1/3 of the energy of similar models like EcoFlow Delta Pro 3. This helps extend the runtime of low-power devices (like fridge, Starlink, and CPAP) and saves $505 more over 5 years compared to its peers.

Back-to-back testing

1. The runtime of Apex 300 and other brands when powering the same low-power devices, like fridge, light, security camera, CPAP, Starlink, etc.
2. Measured using a Watt Meter, Apex 300's usable capacity is 92% of its rated capacity, output from
3. The real discharging rate when powering a 1,000W device.

Enhanced Solar Charging

Paired with SolarX 4K, it provides flexible DIY solar charging solutions ranging from 6,400W to 19,200W (With one to three units). With the AT1 smart distribution box, it supports up to 30kW of PV input.

Smart App Control

The new extreme weather alert function, one-tap OTA updates, and visualized energy consumption in the app provide added convenience and intuitive user experience.



Technology Pioneer in Clean Energy

Key Selling Points

For RV/Van Life KOL

Plug-and-Play

Effortlessly power your coffee maker, induction cooktop, CPAP, microwave, and air conditioner in your RV—just plug in and go.

One-for-All

With 20A, 30A, and 50A outputs, Apex 300 is designed to offer seamless power solution for a wide range of RVs.

DIY Fixed Installation

Connect the Hub D1 to your RV's panel for DC power delivery suas 12V fridge, 12V TV, lights, fans, Starlink, WiFi router and more, making your mobile home even more energy-efficient.

Charge your Apex 300 quickly during the day with a generator

giving you a quieter, more eco-friendly way to power your RV. Once it's full charged, turn off the generator and you can enjoy a peaceful night with stored energy.



Key Selling Points

For RV/Van Life KOL

Save on Shore Power

Built with a TT-30 port, Apex 300 acts as your personal mobile shore power, saving you money on costly campground charging and eliminating the need for external hookups.

Exclusive Features for RV Charging

1. TT-30 port for easy, on-the-go shore power access.
2. Built-in handheld design for easy installation and secure mounting inside your RV.
3. Supports 15A/30A/50A (240V) charging from campground sources.
4. Integrated fixed wrench for easy DC power hub installation.
5. Hub D1 provides up to 12V/50A for power-hungry devices.
6. Supports charging from EV charging station. (Require specifc charging cable)
7. Flexible battery connection with both short and long cables, allowing flexible cable management.

Advantages over Victron

Apex 300's all-in-one design simplifies setup, while its portability and expandable capacity make it the ideal solution for RVs and camping.

The compact size ensures it fits perfectly in tight RV spaces.



Technology Pioneer in Clean Energy

Key Selling Points

For Off-Grid Life KOL

Plug-and-Play

Effortlessly power everything from USB devices like phones and tablets to appliances such as coffee makers, induction stoves, refrigerators, microwaves, and air conditioners.

Robust Power

With a 3,840W rated power and 7,680W peak surge power, it easily supports a wide range of power tools.

DC Power Source

Paired with the Hub D1, the Apex 300 provides up to 700W of DC output, providing efficient and long-lasting power for all your DC devices. It features versatile ports like USB-A, USB-C, cigarette lighter port, DC5521 port, and 50A Anderson port, you can power everything from lights and refrigerators to air conditioners, heaters, and Starlink.DC

Quiet & Sustainable Charging

On cloudy days, charge the Apex 300 using a generator. Once it's fully charged, simply turn off the generator and continue enjoying quiet, clean power.

Enhanced Solar Charging

Paired with SolarX 4K, it provides flexible DIY solar charging solutions ranging from 6,400W to 19,200W (With one to three units). With the AT1 smart distribution box, it supports up to 30kW of PV input.

Wide Applications

Offer versatile power solutions for off-grid locations like ranches, stables, resorts, hunting lodges, and shelters.



Technology Pioneer in Clean Energy

Key Selling Points

For Electrical DIY KOL

Dual Voltage 120V/240V for EVs & Pools

Apex 300 supports simultaneous charging and discharging at both 120V and 240V.

Pools: Apex 300 can run a 240V pool pump, helping you save on high electricity bills (e.g., in California).

EVs: Connect 3 Apex 300 units in parallel to deliver an impressive 11.52kW of output, enabling you to charge your Tesla at full power. It's a simple, plug-and-play solution—no complex wiring needed, providing both cost savings and reliable backup power.

The Most Flexible DIY Backup Power Solution

Apex 300 offers unmatched scalability to meet your energy needs. Start with a single unit and expand to dual or triple units, adding up to 18 battery packs for maximum capacity. Whether you're looking for a standard setup or an advanced system, Apex 300 adapts seamlessly.

Industry's First 12kW Bypass Load (Partial Home Backup)

Integrating with your home grid, Apex 300 ensures uninterrupted power for essential devices like routers, refrigerators, and CPAP machines. With a powerful 12kW bypass load capability, it can even power an EV charger without the risk of overloading.

How it works: Fixed installation with a single unit and distribution box.



Technology Pioneer in Clean Energy

Key Selling Points

For Electrical DIY KOL

One-Stop Solution for Whole-home Backup

Apex 300's modular design allows for scalable, flexible solutions. Connect 2–3 units to provide up to 11.52kW of power, and expand up to 58kWh by adding 1–18 battery packs. Start with a minimal investment and upgrade in just 5 minutes to meet your growing energy needs during outages.

Enhanced Solar Charging

Paired with SolarX 4K, it provides a customizable solar charging solution ranging from 6,400W to 19,200W (With one to three units). With the AT1 smart distribution box, it supports up to 30kW of PV input.

Multiple UPS Modes

For sensitive devices such as NAS drives, Apex 300 provides 0ms UPS functionality, ensuring uninterrupted power for your critical electronics.



Technology Pioneer in Clean Energy

Key Selling Points For Tech Reviewers KOL

Plug-and-Play

With multiple ports and a plug-and-play design, Apex 300 is incredibly user-friendly mobile power source, providing versatile power for all your devices.

Compare Apex 300 vs. Powerwall 3

When it comes to price, portability, and the time needed to recoup your investment, Apex 300 stands out as the smarter choice.

Low Self-Consumption, High Efficiency

While many high-power energy storage systems consume up to 30% or more of their energy daily, Apex 300 is remarkably efficient. Compared to competitors like EF, Apex 300's energy consumption is 2.4 times lower, saving you more in the long run.

Cutting-Edge Innovations

-Longest lifespan: 6,000+ charge cycles (17 years of lifespan with 1 charge cycle per day)
-Lowest AC self-consumption: 20W/h
-EnerBalance technology
-Hot-swappable design for uninterrupted power

Emergency Power for Tesla

Apex 300 is the industry's first power station capable of charging your Tesla at full power with 11.52kW.



Key Selling Points

For Others KOL

Extended Runtime

Apex 300 boasts the industry's lowest self-consumption (AC, 20W/h), delivering longer runtime for devices like air conditioners, heaters, and portable fridges.

Plug-and-Play

With multiple ports and a plug-and-play design, Apex 300 is incredibly user-friendly, providing versatile power for all your devices.

Eco-Friendly Power

Unlike traditional generators, Apex 300 is quieter, more fuel-efficient, environmentally friendly, safe to use in your vehible.

Travel-Friendly Design

Apex 300's compact, space-saving design makes it easy to transport and use, especially when paired with a custom-made trolley, which provides optimal mobility in the outdoors.

Extended Runtime

With built-in electromagnetic interference (EMI) protection, Apex 300 ensures a cleaner, more stable power supply, offering an enhanced user experience.

Test Comparison: You can directly compare Apex 300 with other power stations on electromagnetic interference and noise levels to see how it delivers quieter, more reliable operation.

In the Box













1. Apex 300 Portable Power Station
2. AC Charging Cable (5.91ft / 180cm)
3. User Manual & Warranty Card
4. Grounding Screw (M5*10)
5. Car Charging Cable
   (Cig lighter - XT60, 2.41ft / 73.5cm)

Optional Accessories

Upgrade Your Power Setup

Image	Name	Use Case	User Benefits	Outstanding Features
	AT1 Smart Distribution Box	Transfer Apex 300 into a whole-home energy storage system, for AC coupling and emergency power backup, etc.	1. Automatic switch power support from grid to Apex 300. 2. Integrate with rooftop solar microinverters. 3. Black start a generator. 4. Handle up to 30kW AC input.	1. AT1 is an AC coupling system, accept up to 11.52kW of AC power from grid, rooftop solar microinverters, generator and even EV charging (vehicle to load mode). 2. Automatic transfer power during power outages. 3. Support 120V and 240V input power.
	Hub A1	Connect up to 3 Apex 300 units in parallel	1. Plug and Play. 2. Charge all 3 Apex 300(s) at the same time while connect to the grid, and conbuine maximum of 3 Apex 300 with 11.5kW output.	1. Hub A1 can function in off-grid scenario for up to 11.52kW of output. 2. Support US/EU/AU spec market. (most competitors only have US spec available). 3. More output port options, 20A/30A/50A output options available for different needs.
	Reliance Sub Panel	Distributes power across your home and works as a transfer switch for seamless source switching.	50A, 12/20 Circuits Sub Panel (transfer switch) made by Reliance, completely pre-wired for easy installation.	Superior quality and performance, perfect compatibility, and dependable operation.
	Hub D1	Features USB-C, Cigarette Lighter, and a 50A Anderson port for diverse power needs.	Delivers up to 700W DC output, offering flexible and reliable power for various devices.	Separate hub design reduces self-consumption and offers more DC power than integrated competitor models.

Optional Accessories

Upgrade Your Power Setup

Image	Name	Use Case	User Benefit	Comparison
	SolarX 4K	Supports up to 500V VOC and 4,000W solar input for increased charging capacity.	Boosts Apex 300 solar input to 6,400W and simplifies connecting more solar panels.	1. Offers higher solar input options 2. Works with multiple BLUETTI models, including Apex 300, AC240, B300K, B300, and B300S.
	S1 Smart Plug	Control and monitor power supply and usage remotely.	Home appliances automation, remote control, scheduling control, manage and map energe usage	1. Connect up to 16 * S1 plugs for home energy integration 2. Slick design
	Charger 1	Charges Apex 300 via car Alternator Charger.	1. Easy to install. 2. Up to 560W charging power. 3. Compatible with most vehicles.	1. Universal compatibility with most power stations. 2. Intelligent battery monitoring prevents your car battery from draining.
	Foldable Trolley 2	Designed easily transport the Apex 300, expansion batteries, and accessories.	Features large wheels for smooth movement, a retractable handle for easy handling, and secure buckles for stable Apex 300 installation.	1. Better maneuverability. 2. Higher load.
	30A Charging Cable	Charges Apex 300 at 30A, 120V, 3,600W Max.	Fast charge Apex 300 in about 1 hour.	Offers unmatched fast charging, even with a single unit

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	50A Charging Cable	Charges the Apex 300 at 50A, 120V/240V, with up to 3,840W output.	Enables rapid charging with up to 12,000W when using multiple units.
	Charging Cable (Via EV Station)	Use to charge Apex 300 at 50A, 208V/240V, 11.52kW Max. from EV charging station Charges the Apex 300 with a EV charging station at 50A, 208V/240V, with up to 11.52kW output.	Enables rapid charging from EV stations, ensuring quick power access on the go.
	Battery Connection Cable (10.6", 90° bend)	Connects the Apex 300 power station to the B300K battery pack.	Shorter design with a 90° bend for better energy transfer and cleaner cable management.
	Battery Connection Cable (31.5")	Connects the Apex 300 power station to the B300K battery pack.	Longer length allows versatile layouts with multiple devices and batteries.
	12V/24V Battery Charging Cable	Use to charge Apex 300 from 12V/24V lead-acid/ lithium battery.	Enable emergency power backup while in need, contract cramp design for universal compatibility

Specifications

Apex 300

Capacity	2,764.8Wh
Battery Type	$LiFePO_4$ (Lithium Iron Phosphate)
Life Cycles	6,000+ Cycles to 80% Original Capacity
Management System	MPPT Controller, BMS, etc
AC Outlets	4 x 120V/20A Outlets (1,920W Max. per pair of ports) 1 x 120V/30A NEMA TT-30R, 3,600W Max. 1 x 120V/240V, 50A NEMA L14-50R, 3,840W Max. 3,840W In Total
Power Lifting Mode	7,680W
15A AC Input	120V, 1,440W Max.
50A AC Input (P050A)	120V/240V, 50A Max. 120V: 6,000W Max. (Charging + Bypass) 240V: 12,000W Max. (Charging + Bypass)

DC Power Hub

Total Output	700W Max.
USB-C Port	2 x 100W Max.
USB-A Port	2 x 15W
DC Outlets	Cigarette Lighter Port : 2 x 12V/10A or 24V/5A DC 5521 Port: 2 x 12VDC/10A or 24V/5A DC Anderson Port: 1 x 12V/50A or 24V/25A

Solar Input (2 x XT60PM-M)	1,200W Max. per port, 12V-60V, 20A Max. 2,400W in Total
AC Bypass Charging	120V/50A: 6,000W Max. (Charging + Bypass) 240V/50A: 12,000W Max. (Charging + Bypass)
Scalability	Expandable w/ Up to 6 x B300K, 6 x B300S, 4 x B300
Weight	83.78lb (38kg)
Dimensions (L x W x D)	20.67 × 12.87 × 12.6in (525 × 327 × 320mm)
Operating Temperature	Charging Temperature: 32°F to 104°F / 0°C to 40°C Discharging Temperature: -4°F to 104°F / -20°C to 40°C
Certifications	UL2743, UL1741, CA65, FCC, IC, CB, CE-LVD, CE, CE-RoHS, RCM, MIC, PSE
Warranty	5 Years

App Control	Via Bluetooth
Operating Temperature	-4°F to 113°F / -20°C to 45°C
Cable Length	4.9ft (1.5m)
Weight	5.5lb (2.5kg)