


# Voltsmile

2025



NEXT LEVEL

CATALOGUE 

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# NEXT LEVEL

Since its inception in 2022, Voltsmile has quickly established itself as a staple in the energy storage industry, delivering some of the highest-quality home storage battery systems available. Our commitment to excellence and innovation has driven us to create products that not only meet but often exceed industry standards. With a strong focus on performance, reliability, and long-term value, many of our home storage solutions have already become benchmark products, trusted by customers and professionals alike. Whether it's providing homeowners with the peace of mind that comes with a dependable backup power system or enabling smarter energy management solutions, Voltsmile has consistently delivered reliable, cutting-edge technology.

Our success in the home energy storage sector is just the beginning. Voltsmile's team is continuously pushing the boundaries of innovation, working to develop solutions that address the evolving needs of the energy market. As we move into 2025, we are excited to announce a bold new chapter in our journey—the launch of commercial energy storage systems. These new systems represent a significant expansion of our product lineup, bringing the same high level of quality and innovation that we are known for in the residential space to the commercial and industrial sectors.

The introduction of our commercial energy storage solutions marks a major milestone for Voltsmile. These systems are designed to meet the growing demand for scalable, efficient, and cost-effective energy storage options for businesses, utilities, and other large-scale energy users. Our commercial products are crafted with the same attention to detail and performance that has made our residential products so successful. Whether for businesses looking to optimize their energy consumption, reduce operating costs, or integrate renewable energy sources, Voltsmile's commercial energy storage systems provide the versatility and reliability needed to meet these challenges.

To accompany the launch of these new products, we've developed a diverse fleet of innovative solutions that we believe will help redefine the energy storage landscape. From modular systems that can be customized to fit specific needs, to intelligent software that ensures optimal performance, our commercial energy storage products are built to scale, evolve, and drive efficiency.

As we embark on this exciting new phase, we remain as committed as ever to listening to our customers. Your feedback, insights, and needs are at the heart of our development process. Together, we can continue to innovate and refine our products, ensuring that Voltsmile remains at the forefront of energy storage technology. We look forward to working closely with you to help power a more sustainable future for your customers, and in doing so, build lasting success within the industry.

**V10**  
 5,120 Wh  
 Rack Mount  
 LiFePO4  
 Battery System

6000 Cycles  
 Cold Climate  
 Expandable  
 Option

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**V10RPC**

5,120 Wh  
 Rack Mount  
 LiFePO4  
 Battery System

6000 Cycles  
 Cold Climate  
 Expandable  
 Option  
 Quick Connect

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UPDATED

**W1**

10,240 Wh  
 Wall Mount  
 LiFePO4  
 Battery System

6000 Cycles  
 Cold Climate  
 Expandable  
 Option  
 IP65

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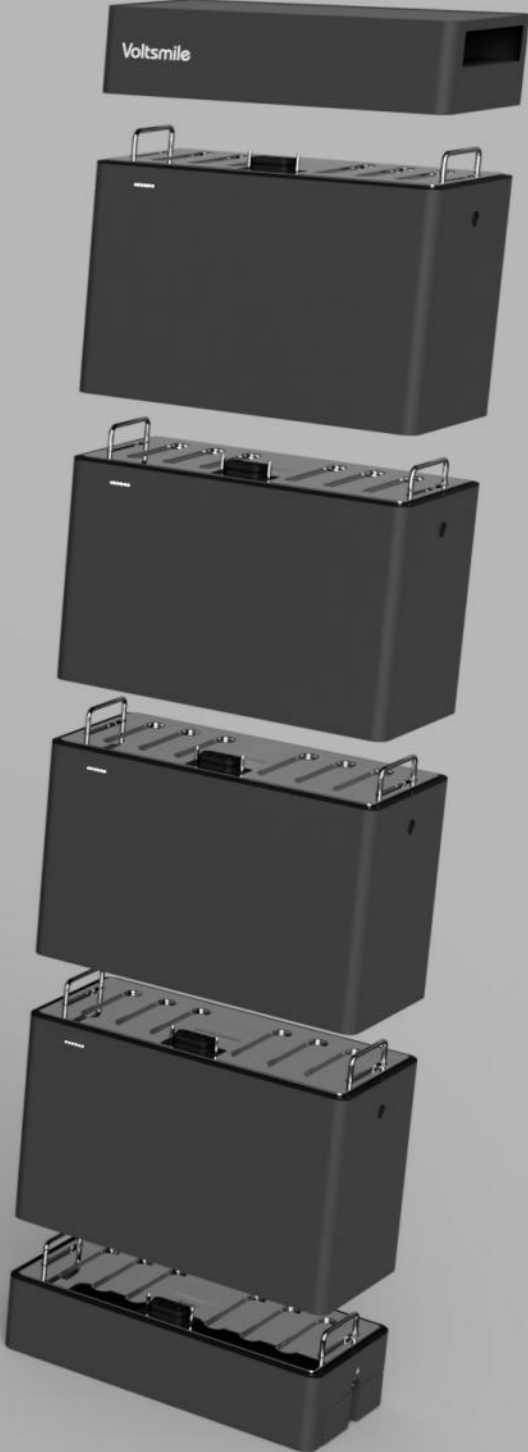
NEW

**MONOLITH**

5,120 Wh  
 Stackable  
 LiFePO4  
 Battery System

6000 Cycles  
 Cold Climate  
 Expandable  
 Option  
 IP65

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NEW

## C512

51.2 kWh  
Rack Mount  
LiFePO4  
High Voltage  
Battery System

6000 Cycles  
Expandable  
Option  
Quick Connect

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NEW

## C AIO

51.2 kWh  
Rack Mount  
LiFePO4  
30 kW Inverter  
All-In-One System

6000 Cycles  
Expandable  
Three Phase  
Option  
Quick Connect

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NEW

## Levitate 1

5,000 W  
Wall Mount  
DC/DC  
High Voltage System

Expandable  
Option  
IP54

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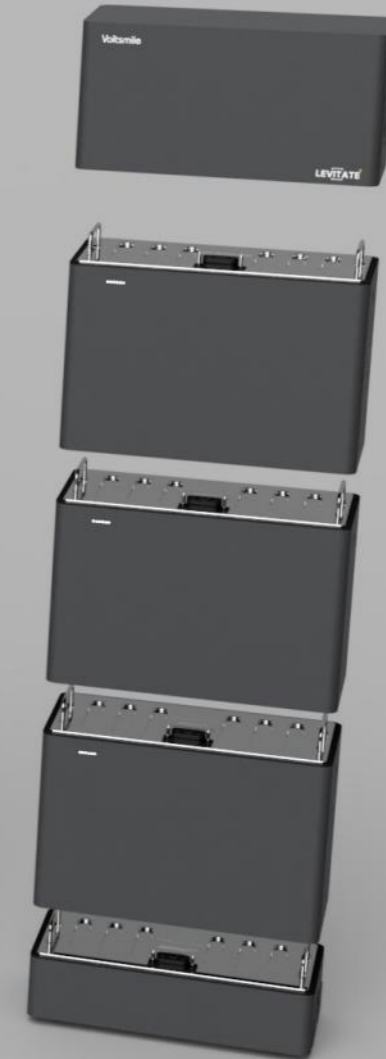
NEW

## Levitate 2

5,000 W  
Stackable  
DC/DC  
High Voltage System

Expandable  
Option  
IP54

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NEW

## Levitate 3

5,000 W  
Rack Mount  
DC/DC  
High Voltage System

Expandable  
Option

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## C Module

5,120 Wh  
Rack Mount  
LiFePO4  
Battery System

6000 Cycles  
Expandable  
Option  
Quick Connect

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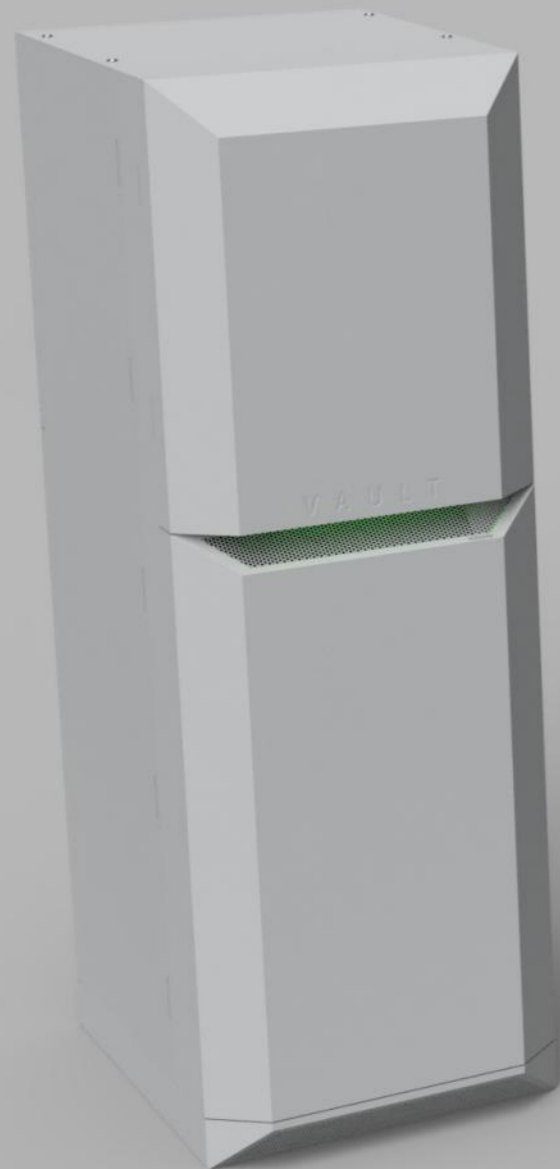
NEW

## Vault 30

30 kWh  
Rack Mount  
LiFePO4  
12 kW Inverter  
All-In-One System

6000 Cycles  
Expandable  
Three Phase  
Option  
Quick Connect  
IP54

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NEW

## Vault 50

51.2 kWh  
Rack Mount  
LiFePO4  
30 kW Inverter  
All-In-One System

6000 Cycles  
Expandable  
Three Phase  
Option  
Quick Connect  
IP54

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NEW

## Raid 11

112.6 kWh  
Rack Mount  
LiFePO4  
50 kW Inverter  
All-In-One System

6000 Cycles  
Expandable  
Three Phase  
Option  
Quick Connect  
IP54

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Rated Voltage:	51.2Vdc
Capacity:	5,120Wh
Charge Current:	100A
Discharge Current:	100A
Communication:	RS485, CAN
Number In Parallel:	63
Weight:	42kg
Dimensions:	470*442*133 (mm)
Working Temp:	0°C~50°C
Storing Temp:	-20°C~55°C
IP Rating:	IP20
Humidity:	5%~95%(RH)
Altitude:	<3500m
Designed Life:	10 Years +
Warrenty:	10 Years
Certifications:	IEC62619, UN38.3, CE, ROHS



The Voltsmile V10 Lithium Iron Battery Pack, the cutting-edge solution designed to meet your most demanding power needs. With a robust voltage of 51.2V and a substantial capacity of 5.12kWh, the Voltsmile V10 stands as a testament to advanced engineering and unparalleled performance. Ideal for a wide range of applications, this battery pack is your go-to choice for reliability, efficiency, and sustainability.



NEW

## Pixel

Up To 10 x V10 Batteries  
Rack Mount  
Modular Design

Easy Installations  
Cold Climate  
Expandable  
Option

## Wall Cabinet

2 x V10 Batteries  
Wall Mount

Easy Installations  
Cold Climate  
Option

## V-Bracket

Up To 8 x V10 Batteries  
Rack Mount

Easy Installations  
Cold Climate  
Expandable  
Option

## 14U Rack

Up To 4 x V10 Batteries  
Rack Mount

Easy Installations  
Cold Climate  
Option

## 22U Rack

Up To 6 x V10 Batteries  
Rack Mount

Easy Installations  
Cold Climate  
Option

## 33U Rack

Up To 10 x V10 Batteries  
Rack Mount

Easy Installations  
Cold Climate  
Option



Rated Voltage:	51.2Vdc
Capacity:	5,120Wh
Charge Current:	100A
Discharge Current:	100A
Communication:	RS485, CAN
Number In Parallel:	63
Weight:	42kg
Dimensions:	498*442*133 (mm)
Working Temp:	0°C~50°C
Storing Temp:	-20°C~55°C
IP Rating:	IP20
Humidity:	5%~95%(RH)
Altitude:	<3500m
Designed Life:	10 Years +
Warrenty:	10 Years
Certifications:	IEC62619, UN38.3, CE, ROHS



The Voltsmile V10RPC Lithium Iron Battery Pack, a groundbreaking energy solution designed for versatility, reliability, and rapid deployment. Engineered with a robust voltage of 51.2V and a substantial capacity of 5.12kWh, the Voltsmile V10RPC is perfect for a wide range of applications, from emergency power needs to dynamic energy storage solutions.

6000  
CYCLES

RAPID  
CONNECTIONS

OPTION

COLD  
CLIMATE

EXPAND  
ABLE

19"  
RACK

**RPC 44U**

Up To 12 x V10 RPC Batteries  
Rack Mount

Expandable  
Cold Climate  
Option  
Quick Connect

**RPC AIO V**

30 kWh  
Rack Mount  
LiFePO4  
15 kW Inverter  
All-In-One System

Expandable  
Cold Climate  
Option  
Quick Connect

NEW

**RPC AIO D**

30 kWh  
Rack Mount  
LiFePO4  
12 kW Inverter  
All-In-One System

Expandable  
Cold Climate  
Option  
Quick Connect

**RPC 22U**

Up To 6 x V10 RPC Batteries  
Rack Mount

Expandable  
Cold Climate  
Option  
Quick Connect

**RPC 14U**

Up To 4 x V10 RPC Batteries  
Rack Mount

Expandable  
Cold Climate  
Option  
Quick Connect



Rated Voltage:	51.2Vdc
Capacity:	10,240Wh
Charge Current:	100A
Discharge Current:	100A
Communication:	RS485, CAN
Number In Parallel:	63
Weight:	90kg
Dimensions:	888*520*150 (mm)
Working Temp:	0°C~50°C
Storing Temp:	-20°C~55°C
IP Rating:	IP65
Humidity:	5%~95%(RH)
Altitude:	<3500m
Designed Life:	10 Years +
Warrenty:	10 Years
Certifications:	IEC62619, UN38.3, CE, ROHS

The Voltsmile W1 Wall-Mounting Lithium Iron Battery Pack, the ultimate solution for robust and reliable energy storage. Designed for both indoor and outdoor applications, the Voltsmile W1 operates at a voltage of 51.2V and offers a substantial capacity of 10.24kWh, ensuring dependable power in all conditions. With an IP65 rating, this battery pack is built to withstand the elements, making it ideal for outdoor installations.



COMING SOON

### W1 Floor Stand

Up To 2 x W1 Batteries  
Up To 2 x Levitate 1  
Floor Stand

Cold Climate  
LV/HV  
Option  
IP65



COMING SOON

### W AIO

30 kWh  
Rack Mount  
LiFePO4  
12 kW Inverter  
All-In-One System

Expandable  
Cold Climate  
Rail System  
Option  
IP65

Rated Voltage:	51.2Vdc
Capacity:	5,120Wh
Charge Current:	100A
Discharge Current:	100A
Communication:	RS485, CAN
Number In Parallel:	63
Weight:	43kg
Dimensions:	520*255*330 (mm)
Working Temp:	0°C~50°C
Storing Temp:	-20°C~55°C
IP Rating:	IP65
Humidity:	5%~95%(RH)
Altitude:	<3500m
Designed Life:	10 Years +
Warrenty:	10 Years
Certifications:	IEC62619, UN38.3, CE, ROHS

The Voltsmile Monolith Stackable Lithium Iron Battery Pack, a stylish and scalable energy solution designed for both indoor and outdoor applications. Operating at a voltage of 51.2V with a capacity of 5.12kWh, the Voltsmile Monolith is perfect for those seeking reliable and expandable power storage. With an IP65 rating, this battery pack is built to endure the elements, making it an excellent choice for various outdoor settings.



# Voltsmile

HIGH VOLTAGE

## C Series

Rated Voltage:	51.2Vdc
Capacity:	5,120Wh
Charge Current:	80A
Discharge Current:	80A
Communication:	RS485, CAN, Wireless
Number In Parallel:	96
Weight:	40kg
Dimensions:	498*442*133 (mm)
Working Temp:	0°C~50°C
Storing Temp:	-20°C~55°C
IP Rating:	IP20
Humidity:	5%~95%(RH)
Altitude:	<3500m
Designed Life:	10 Years +
Warrenty:	10 Years
Certifications:	IEC62619, IEC62477, UN38.3, CE, ROHS

The Voltsmile C series High Voltage Lithium Iron Battery Packs, the core components of the Voltsmile C512 system. Each battery pack operates at 51.2V with a capacity of 5.12kWh, providing a reliable and scalable solution for your energy storage needs. Designed for versatility and customization, the C series battery packs can be tailored to create the perfect high-voltage energy storage system for large homes, small offices, and small businesses.

6000  
CYCLES

RAPID  
CONNECTIONS

OPTION

COLD  
CLIMATE

EXPAND  
ABLE

19"  
RACK

HIGH  
VOLTAGE



# 09



# Voltsmile

HIGH VOLTAGE

# C 512

Rated Voltage:	512Vdc
Battery Capacity:	51.2kWh
Charge Current:	80A
Discharge Current:	80A
Communication:	RS485, CAN, Wireless
Number In Parallel:	6
Weight:	500kg
Dimensions:	630*600*1800 (mm)
Working Temp:	0°C~50°C
Storing Temp:	-20°C~55°C
IP Rating:	IP20
Humidity:	5%~95%(RH)
Altitude:	<3500m
Designed Life:	10 Years +
Warrenty:	10 Years
Certifications:	IEC62619, IEC62477, UN38.3, CE, ROHS

The Voltsmile C512 High Voltage Lithium Iron Energy Storage System, a state-of-the-art solution designed to meet the energy demands of large homes, small offices, and small businesses. With an impressive voltage of 512V and a substantial capacity of 51.2kWh, the Voltsmile C512 ensures reliable and efficient power storage, making it the ideal choice for high-capacity energy needs.

6000  
CYCLES

RAPID  
CONNECTIONS

OPTION

COLD  
CLIMATE

EXPAND  
ABLE

19"  
RACK

HIGH  
VOLTAGE

# 10.



## Voltsmile

HIGH VOLTAGE

## C AIO

Rated Voltage:	512Vdc
Input Voltage:	400Vac/230Vac
Output Voltage:	400Vac/230Vac
Max Output Wattage:	30kW
Battery Capacity:	51.2kWh
Max PV Input Wattage:	19.2kW + 19.2kW
MPPT Voltage Range:	200V ~ 800V
Charge Current:	80A
Discharge Current:	80A
Communication:	RS485, CAN, Wireless
Number In Parallel:	10
Weight:	595kg
Dimensions:	630*600*1800 (mm)
Working Temp:	0°C~50°C
Storing Temp:	-20°C~55°C
IP Rating:	IP20
Humidity:	5%~95%(RH)
Altitude:	<3500m
Designed Life:	10 Years +
Warrenty:	10 Years
Certifications:	IEC62619, IEC62477, UN38.3, CE, ROHS

We improved upon the C512 System by integrating a 30kW inverter, enhancing its overall performance and efficiency. This upgrade led to the creation of the C AIO, a more advanced and versatile solution that combines the benefits of higher power output with the flexibility needed for various energy applications. The addition of the 30kW inverter allows for better scalability and more efficient energy management, making the C AIO a robust choice for users seeking optimized energy storage and distribution capabilities.

6000  
CYCLES

RAPID  
CONNECTIONS

OPTION

COLD  
CLIMATE

EXPAND  
ABLE

19"  
RACK

HIGH  
VOLTAGE

# 11.



## Voltsmile

DC/DC

## LEVITATE 1

Input Voltage:	40Vdc ~ 60Vdc
Rated Input Voltage:	51.2Vdc
Output Voltage:	350Vdc ~ 450Vdc
Rated Output Voltage:	400Vdc
Rated Wattage:	5,000W
Max Efficiency:	≥97%
Communication:	RS485,CAN
Number In Parallel:	8
Weight:	25kg
Dimensions:	520*380*150 (mm)
Working Temp:	0°C~50°C
Storing Temp:	-20°C~55°C
IP Rating:	IP54
Humidity:	5%~95%(RH)
Altitude:	<3500m
Designed Life:	10 Years +
Warrenty:	10 Years
Certifications:	UN38.3, CE, ROHS

The Levitate 1 DC/DC transformer is specifically designed to pair with the W1 battery, enabling seamless conversion from the 51.2V battery output to a 400VDC input. This transformation makes the W1 battery compatible with high-voltage inverters, expanding its application for systems requiring higher voltage levels. By utilizing the Levitate 1 transformer, the W1 battery can efficiently integrate into more demanding energy setups, offering enhanced performance and flexibility for various energy storage and distribution needs.



# 12.



## Voltsmile

DC/DC

## LEVITATE 2

Input Voltage:	40Vdc ~ 60Vdc
Rated Input Voltage:	51.2Vdc
Output Voltage:	350Vdc ~ 450Vdc
Rated Output Voltage:	400Vdc
Rated Wattage:	5,000W
Max Efficiency:	≥97%
Communication:	RS485,CAN
Number In Parallel:	8
Weight:	25kg
Dimensions:	520*255*263 (mm)
Working Temp:	0°C~50°C
Storing Temp:	-20°C~55°C
IP Rating:	IP54
Humidity:	5%~95%(RH)
Altitude:	<3500m
Designed Life:	10 Years +
Warrenty:	10 Years
Certifications:	UN38.3, CE, ROHS

Like the Levitate 1, the Levitate 2 transformer is specifically designed to work with the Monolith battery system, offering a higher level of power conversion for more demanding applications. The Levitate 2 transformer enables efficient voltage conversion, allowing the Monolith battery to be integrated with high-voltage inverters that require a 400VDC input. This makes the Monolith system even more versatile, capable of powering larger-scale energy setups while maintaining optimal performance and reliability. The combination of the Monolith battery and the Levitate 2 transformer provides a robust energy solution for projects that need scalable, high-efficiency power management.



# 13.



## Voltsmile

DC/DC

## LEVITATE 3

Input Voltage:	40Vdc ~ 60Vdc
Rated Input Voltage:	51.2Vdc
Output Voltage:	350Vdc ~ 450Vdc
Rated Output Voltage:	400Vdc
Rated Wattage:	5,000W
Max Efficiency:	≥97%
Communication:	RS485,CAN
Number In Parallel:	8
Weight:	25kg
Dimensions:	498*442*133 (mm)
Working Temp:	0°C~50°C
Storing Temp:	-20°C~55°C
IP Rating:	IP20
Humidity:	5%~95%(RH)
Altitude:	<3500m
Designed Life:	10 Years +
Warrenty:	10 Years
Certifications:	UN38.3, CE, ROHS

The final product in the Levitate DC/DC transformer line-up, the Levitate 3, is designed to work with the V10 and V10 RPC battery series, offering an advanced solution for even higher voltage and power demands. With the Levitate 3 transformer, the V10 and V10 RPC batteries can be seamlessly integrated into high-voltage systems, efficiently converting their output to the required voltage levels for optimal compatibility with large-scale inverters. This allows the V10 and V10 RPC batteries to support demanding energy storage and distribution tasks, providing a highly scalable and reliable solution for complex energy setups. The Levitate 3 completes the transformer line-up, ensuring that every level of the battery series benefits from tailored, high-performance power conversion.

 COLD CLIMATE

 EXPANDABLE

 OPTION

HIGH VOLTAGE

19" RACK

# 14.



## Voltsmile OUTDOOR LV AIO

## VAULT 30

Rated Voltage:	51.2Vdc
Input Voltage:	400Vac/230Vac
Output Voltage:	400Vac/230Vac
Max Output Wattage:	12kW
Battery Capacity:	30.7kWh
Max PV Input Wattage:	15.6kW
MPPT Voltage Range:	160V ~ 800V
Charge Current:	100A(per module)
Discharge Current:	100A(per module)
Communication:	RS485, CAN, Wireless
Number In Parallel:	10
Weight:	680kg
Dimensions:	930*700*2050 (mm)
Working Temp:	0°C~50°C
Storing Temp:	-20°C~55°C
Air-Con Wattage	600W
IP Rating:	IP54
Humidity:	5%~95%(RH)
Altitude:	<3500m
Designed Life:	10 Years +
Warrenty:	10 Years
Certifications:	IEC62619, UN38.3, CE, ROHS

The Vault series is an outdoor All-In-One (AIO) solution designed primarily for OEMs and customized builds, catering to a wide range of unique energy storage and distribution needs. Featuring an IP54-rated casing with an integrated air conditioning system, the Vault series is built to withstand harsh weather conditions, making it ideal for outdoor environments. The Vault 30 is the first model in this line-up, offering robust performance and flexibility for various applications. We are excited to collaborate with you on your OEM and design requirements, providing tailored solutions that meet your specific energy needs with durability and efficiency.

 COLD  
CLIMATE

 EXPAND  
ABLE

 OPTION

HIGH  
VOLTAGE

IP54

19"  
RACK

# 15.



## Voltsmile OUTDOOR HV AIO

## VAULT 50

Rated Voltage:	512Vdc
Input Voltage:	400Vac/230Vac
Output Voltage:	400Vac/230Vac
Max Output Wattage:	30kW
Battery Capacity:	51.2kWh
Max PV Input Wattage:	19.2kW + 19.2kW
MPPT Voltage Range:	200V ~ 800V
Charge Current:	80A
Discharge Current:	80A
Communication:	RS485, CAN, Wireless
Number In Parallel:	10
Weight:	500kg
Dimensions:	990*700*2070 (mm)
Working Temp:	0°C~50°C
Storing Temp:	-20°C~55°C
Air-con Wattage:	1500W
IP Rating:	IP54
Humidity:	5%~95%(RH)
Altitude:	<3500m
Designed Life:	10 Years +
Warrenty:	10 Years
Certifications:	IEC62619, IEC62477, UN38.3, CE, ROHS

The Vault 50 offers the same level of robustness and versatility as the Vault 30, but with enhanced capabilities for more demanding applications. Equipped with high-voltage batteries and a high-voltage inverter, the Vault 50 boosts efficiency, making it an ideal solution for mini commercial installations. Its ability to handle larger power outputs and integrate seamlessly with high-voltage systems makes it perfect for businesses or energy setups that require reliable and scalable energy storage. Just like the Vault 30, the Vault 50 is designed to endure harsh outdoor conditions, offering superior performance and durability in a compact, all-in-one package.



# 16.



## Voltsmile OUTDOOR HV AIO

## RAID 11

Rated Voltage:	563Vdc
Input Voltage:	400Vac/230Vac
Output Voltage:	400Vac/230Vac
Max Output Wattage:	50kW
Battery Capacity:	112kWh
Max PV Input Wattage:	80kW
MPPT Voltage Range:	160V ~ 850V
Charge Current:	80A
Discharge Current:	80A
Communication:	RS485, CAN, Wireless
Number In Parallel:	10
Weight:	1300kg
Dimensions:	1650*820*2070 (mm)
Working Temp:	0°C~50°C
Storing Temp:	-20°C~55°C
Air-con Wattage:	2000W
IP Rating:	IP54
Humidity:	5%~95%(RH)
Altitude:	<3500m
Designed Life:	10 Years +
Warrenty:	10 Years
Certifications:	IEC62619, IEC62477, UN38.3, CE, ROHS

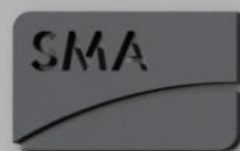
The Raid series represents the largest and most powerful systems that Voltsmile currently offers, designed to meet the energy needs of micro-scale commercial units, hotels, and similar establishments. These systems deliver exceptional capacity and efficiency, making them perfect for businesses that require reliable, large-scale energy storage and management. With advanced features and high-performance components, the Raid series ensures consistent power supply, even in high-demand environments. Whether you're managing a hotel or a commercial unit, the Raid series provides a robust, scalable solution tailored to meet the growing energy demands of modern businesses.



## Voltsmile Compatibility



SCFAR



Deye



victron energy



Growatt

invt

SINENG

SUNGROW



LUXPOWER<sup>TEK</sup>

SUN<sup>2</sup>SYNK



Solavita

- |                    |                  |
|--------------------|------------------|
| AISWEI             | SAJ              |
| ALPHA & OUTBACK    | SCHNEIDER        |
| AXIOMA             | SELECTRONIC      |
| DEYE               | SERMATEC         |
| DELIOS S.R.L       | SINENG           |
| EFFEKTA            | SOFAR            |
| FSP POWER SOLUTION | SOLARMAX         |
| GMDE               | SOLAVITA         |
| GOODWE             | SOLIS            |
| GROWATT            | STECA            |
| IMEON ENERGY       | STUDER           |
| INGETEAM           | SUNGROW          |
| INVT               | TBB              |
| KEHUA              | VICTRON          |
| LUXPOWER           | VOLTRONIC        |
| MEGAREVO           | WESTERN          |
| MLT                | ZUCCHETTI CENTRO |
| MOIXA              | SISTEMI          |
| MORNINGSTAR        |                  |
| OPTI-SOLAR         | And More...      |
| PHOCOS             |                  |
| REDBACK            |                  |

Since 2022, Voltsmile batteries have continuously expanded our compatibility with an increasing number of major inverter brands, ensuring seamless integration across a wide range of systems. The list of compatible inverters is growing rapidly, and we are committed to supporting even more brands in the future. For a full list of current compatibilities, please refer to our website or reach out to us at [info@voltsmile.com](mailto:info@voltsmile.com) for more information. We are always happy to assist with any compatibility inquiries and guide you through the best solutions for your energy needs.

**6000**  
CYCLES

Voltsmile prioritizes excellence and reliability in every aspect of our products, and that includes the heart of their power – the battery cells. We exclusively utilize the highest quality **lithium iron phosphate** battery cells available in the market to ensure optimal performance, longevity, and safety for our customers. We guarantee that our products not only meet but exceed expectations when it comes to powering your properties. We confidently guarantee that our batteries will surpass 6000 cycles of use and coupled with our assurance of 10 years of reliable performance, showcase the robustness of our products.

**19"**  
INCH  
RACK

Designed with versatility in mind, this product seamlessly integrates into **19-inch** server rack systems, providing a compatible solution for users seeking efficient and standardized installations.

**OPTION**

Dedicated to meeting the diverse needs of our clients, we offer an extensive array of Original Equipment Manufacturer (**OEM**) services. Our commitment to customization allows businesses to tailor products to their unique specifications, fostering innovation and brand identity. Whether it's product design, manufacturing, or branding, our comprehensive OEM services enable clients to bring their visions to life. We understand that every business has distinct requirements, and our flexible approach ensures seamless collaboration to deliver tailored solutions. With a focus on quality and precision, we empower our partners to enhance their offerings and stay ahead in the dynamic market, solidifying our position as a trusted provider of versatile OEM services.

**COLD**  
CLIMATE

This battery system has "+" version\* or has accessories\*\* to make it workable under extreme cold conditions. With in-built heating elements of the "+" version\* or the heating accessories\* the working temperature can go as low as **-20°C**.

**EXPAND**  
ABLE

This battery system boasts expandability, allowing users to tailor its functionality to their evolving needs. With the ability to grow and adapt, this product offers a versatile solution that can be customized to meet a variety of requirements. Whether it's adding extra storage capacity, integrating additional components, or incorporating advanced features through expansion modules, users have the flexibility to enhance the product's capabilities over time. This expandable design ensures that the product remains a relevant and valuable asset, capable of accommodating changes in usage scenarios or technological advancements to future-proof a wide range of applications.

**RAPID**  
CONNECTIONS

This battery system is equipped with our **Rapid Connection Bus (RPC)** system incorporates a fast installation system that sets a new standard for convenience and efficiency. With a focus on user-friendly design, the fast installation system ensures swift and hassle-free setup, reducing downtime and making the process remarkably intuitive, allowing users to effortlessly replace or install the battery with minimal effort. This feature not only saves valuable time but also enhances user satisfaction, making our battery a standout choice for those who prioritize both speed and simplicity in their properties

**IP65**

Setting a new standard for durability and resilience, many of our batteries proudly carry an IP65 rating, making them robust enough to withstand various environmental challenges. According to the IP65 standard, the battery is dust-tight and can withstand exposure to water jets from any direction without affecting its performance. This level of protection ensures that the battery remains operational in harsh conditions, giving users confidence in its reliability. Whether facing dusty environments or potential exposure to water, our IP65-rated batteries offer exceptional durability, making them the ideal choice for outdoor and industrial applications where resilience is paramount. Embrace the peace of mind that comes with a battery designed to excel in challenging environments, backed by the stringent IP65 rating.

**HIGH**  
VOLTAGE

With a versatile output voltage range spanning from **51.2V to 672V**, this battery stands out as an ideal choice for installations requiring high voltage inverters in both home and mini-industrial settings. The expansive voltage capability ensures compatibility with a variety of power systems, making it well-suited for diverse applications. Whether powering residential homes with high-performance inverters or supporting the energy needs of small-scale industrial operations, this battery offers a reliable and efficient solution. Its adaptability to different voltage requirements makes it a valuable asset for those seeking a versatile energy storage solution capable of meeting the demands of both home and mini-industrial environments with varying power specifications.

*The batteries marked with the "+" designation, such as V10+, W1+, V10 RPC+, share fundamental hardware components with their standard counterparts. However, what sets them apart is the integration of built-in heating elements. Recognizable by their distinct blue color and the addition of a "+" symbol, these batteries offer an extra layer of functionality with the inclusion of heating technology. This feature proves particularly valuable in environments where temperature variations can impact battery performance. The heating elements enhance the battery's resilience in colder conditions, ensuring consistent and reliable operation. Whether it's the V10+, W1+, or other variants carrying the "+" users can expect not only the core capabilities of the standard versions but also the added advantage of temperature management for increased reliability in diverse operational environments.*

*It's worth noting that the heating accessories for these batteries, are sold separately. The associated accessories necessary for optimizing and controlling the heating features are available as additional, standalone items. This modular approach allows users to tailor their purchase based on specific needs and circumstances. Whether users require the heating functionality or not, having the accessories available separately provides flexibility in choosing the level of temperature control required for their particular use case. This ensures that customers can customize their setup according to their unique requirements, making the heating accessories a convenient and optional addition to the overall battery system.*

The background is a dark, textured surface with numerous thin, parallel lines running diagonally from the top-left to the bottom-right. A single, prominent white line runs horizontally across the center of the image, intersecting the diagonal lines. The overall effect is a sense of motion and depth.

# Voltsmile