



Revolutionising the way we store,
generate & control energy.



Product Catalogue

Inverters & Energy Storage Solutions



POWERED BY
SUN SYNK

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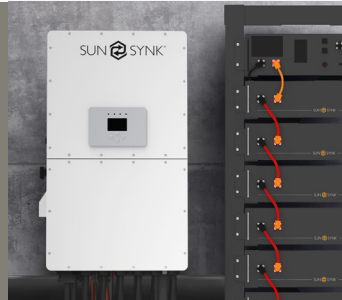
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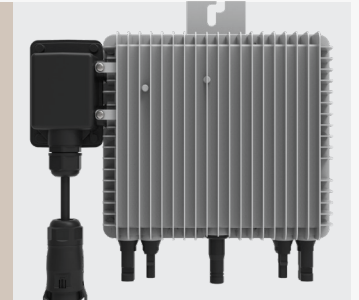
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Mission Statement

Our mission is to deliver high-quality products that contribute to a greener future. We aim to develop technology that benefits both our customers and the environment. Through innovative design, rigorous production standards, and exceptional value, we strive to lead the renewable energy industry.

The Sunsynk range of solar products represents years of dedicated research and development. Along with our Data Logger application, we provide ground breaking technology that is transforming the industry. Our revolutionary products are making a significant impact and will continue to do so in the future. We are committed to ongoing technological advancement to foster a cleaner, more sustainable planet.

With over 20 years of experience, Sunsynk is a proud part of the Global Tech China Group. Based in the UK, with manufacturing facilities in Ningbo, China, we collaborate closely with the Science Department of Ningbo University to jointly develop our technology.

Founded in 2004 and registered in Hong Kong, the Global Tech China Group comprises British and Chinese engineers. The company holds over 30 registered patents across a broad range of products, some of which have significantly influenced

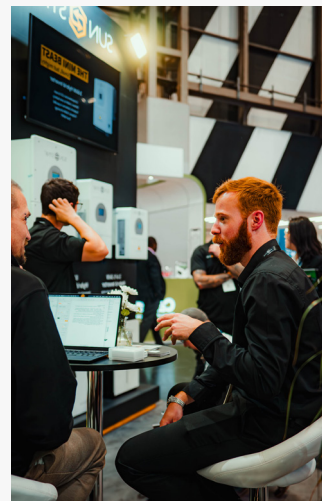
the development of electrical appliances worldwide. Sunsynk currently exports to over 20 countries, including South Africa, the Philippines, Thailand, Australia, New Zealand, the United Kingdom, and Europe, where our power storage products are highly popular.

As new homes around the globe increasingly incorporate solar power and battery storage as standard features, the importance of energy storage systems will grow. With rising electricity prices and the normalization of electric vehicles (EVs), households will double their power consumption, making power management systems essential for monitoring and optimizing energy use.

Smart-Metering marks the beginning of this shift. As homes adopt their own battery storage and power management systems, consumers will be able to manage their energy consumption more economically. Sunsynk's comprehensive range of products covers all aspects of power generation, storage, and management, bringing environmentally friendly energy solutions to both residential and commercial applications.

Our systems can power various home and office appliances, including lights, fans, refrigerators, and air conditioners. Our energy storage solutions can store electricity from sources like solar, wind, grid power, and generators for use when needed. Additionally, when batteries are fully charged, our systems can export excess energy to auxiliary loads, such as water heaters, hot tubs, or swimming pools, or back to the grid. This feature is standard in all our hybrid inverters.

In countries like the UK and Hong Kong, customers can receive compensation from suppliers for exporting power to the grid, allowing them to earn money and offset the cost of their systems in a short period.



Sunsynk Hybrid Inverters

Traditional Inverters

Inverters have been around for a long time. Solar panels connect to the inverter, which converts the DC power from the panels into AC power for home use. Traditional systems work only when the sun is shining, and any unused energy is fed back to the grid. Depending on your electricity tariff, you may receive a small payback for this, usually a few pence per kWh. However, in the evening when there is no sun, you might end up buying that power back at a much higher rate.

Sunsynk's Game-Changing Inverters

Sunsynk has developed a revolutionary storage inverter known as a bi-directional inverter. This allows for fast charging of a storage battery during the day, storing excess power for use in the evenings. Our inverters range from 3.6kW to 16kW for single-phase and 8kW to 50kW for three-phase, with the option to pair multiple units for increased power.

These inverters, also known as Hybrid Inverters, can be used for both on-grid and off-grid applications, allowing you to connect solar PV and batteries to the same inverter.



Standard Features

All our hybrid inverters come with a user-friendly touchscreen LCD display, IP65 protection, and a standard five-year warranty. Pairing a Sunsynk inverter with a Sunsynk battery extends the warranty to ten years.

They all work in both on and off-grid applications and can also be used as a UPS (Uninterrupted Power Supply).

Features:

- Up to 10 years warranty.
- IP65 protection.
- Compact design.
- Free remote monitoring mobile application.
- Works both on and off-grid.
- Rapid battery charging.
- Built-in DC isolator.
- Built-in UPS (Uninterrupted Power Supply).
- Built-in Auxiliary load.
- Works with both solar & wind turbines.
- Backup generator compatible.

All Sunsynk Hybrid Inverters are compatible with our Sunsynk Connect app and mobile / PC app! Allowing you to get the most out of your on or off-grid set-up.

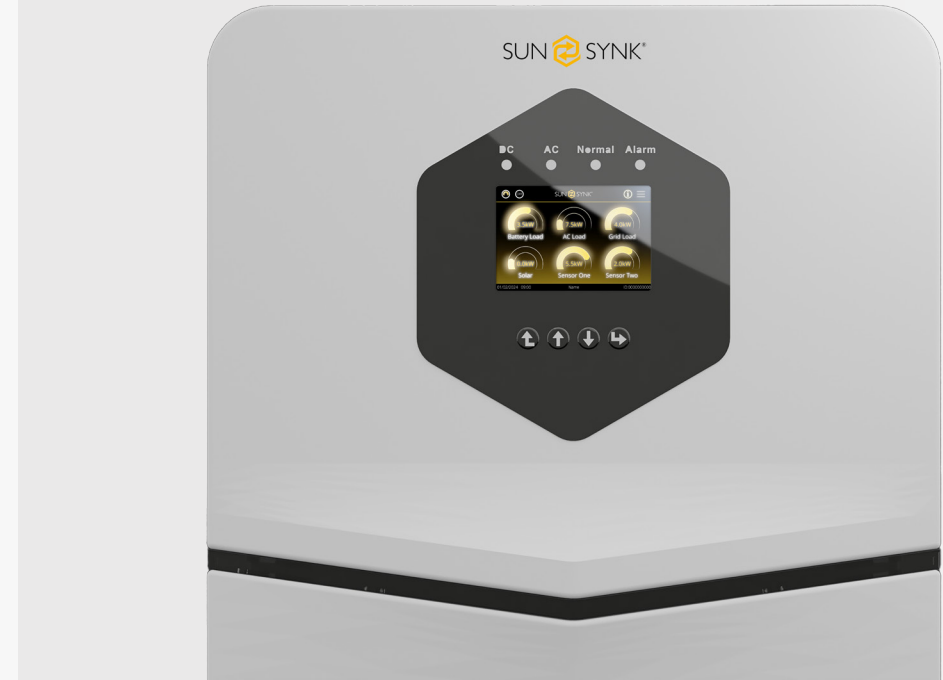
This gives you complete control over your Hybrid Inverter from anywhere in the world!










Acure Series

Single-Phase Bi-Directional Inverter

Introducing the Sunsynk Acure Series, a game-changing energy management system ranging from 3.6kW to 20kW. Seamlessly optimise your power consumption with user-friendly features such as a programmable wireless smart switch, included 40 Amp switch for reliable distribution, and the ability to connect up to 10 smart switches for tailored efficiency. With built-in Bluetooth, Wi-Fi, and LAN connection, monitoring your energy usage has never been smoother. The new user interface enhances accessibility for users of all levels, while safety is prioritised with built-in arc fault detection and solar panel theft detection circuits. The multi-colour LED strip offers real-time insights, and the system is compatible with Ridge Blade® wind turbines, electric vehicles, and hot water tank control. In local mode, take personalised control, and during load shedding, the system can automatically shut down high loads. Sunsynk Acure is the epitome of smart, efficient, and user-friendly power utilisation, ushering in a new era of energy management for your home.



-  Wireless CT Coil Facility
-  Built In Arc Fault Detection
-  Built-in Wi-Fi & Bluetooth
-  Solar Panel Theft Detection Circuits
-  Built In LAN Connection
-  Max. 10 Smart Switches
-  New User Interface



Model	Acure-3.6K-SG04LP1 / Acure-7K-SG04LP1	Acure-6K-SG04LP1	Acure 7K-SG04LP1	Acure-10K-SG04LP1
Max. DC Input Power (W)	7000	7000	10000	15000
Max. DC Input Voltage (V)	500	500	500	500
Max. Output Power (W)	3600	6000	7000	10000
Max. Output Current (A)	17.3	28.7	33.5	43.5
Nominal Output Voltage (VAC)	230	230	230	230
Max. Input Power (W)	3600	7000	7000	10000
Max. Bypass Current	32	40	50	60
Max. Efficiency	97.60%	97.60%	97.60%	97%








Model	Acure-5.5K-SG04LP3	Acure-8KW-SG04LP3	Acure-12KW-SG04LP3	Acure-20KW-SG04LP3
Max. DC Input Power (W)	7500	12000	18000	7500
Max. DC Input Voltage (V)	800	800	800	800
Max. Output Power (W)	5000	8000	12000	5000
Max. Output Current (A)	8	12.8	19.2	8
Nominal Output Voltage (VAC)	230 / 400	230 / 400	230	230 / 400
Max. Input Power (W)	5000	8000	12000	5000
Max. Bypass Current	45	45	45	45
Max. Efficiency	97%	97%	97%	97%

Ecco Hybrid Inverters

Single-Phase Bi-Directional Inverter

Our inverters have been developed specifically for the UK and Europe to meet the needs posed by these markets. The 3.6kW/7kW MPPT Hybrid Inverter is suitable for residential and light commercial use, maximising self-consumption rate of solar energy and increasing your energy impedance.

During the day, the PV system generates electricity which will be provided to the loads initially, then the excess energy will charge the battery via the inverter. Finally, the stored energy can be released when the property requires it. The battery can also be charged by a diesel generator to ensure uninterrupted supply in the event of grid blackout. It is equipped with an RS485/CAN port for battery communication.

-  Colourful touch LCD.
-  IP65 protection degree.
-  AC couple to retrofit existing solar system.
-  Max. 16 pcs parallel for on-grid and off-grid operations, supporting multiple batteries in parallel.
-  Max. charging/discharging current of 190A.
-  6 time periods for battery charging/discharging.
-  Supports storing energy from diesel generators.



Specifications

3.6 / 7kW MPPT Mini Beast

Max. DC Input Power (W)	7000
Max. DC Input Voltage (V)	500
Max. Output Power (W)	3600
Max. Output Current (A)	17.2
Nominal Output Voltage (VAC)	230
Max. AC Input Power (W)	3600
Max. Bypass Current (A)	35
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	2/1+1
Max. Operating PV Input Current	13+13



Specifications

5.5kW Ecco Hybrid Inverter

Max. DC Input Power (W)	6500
Max. DC Input Voltage (V)	500
Max. Output Power (W)	5500
Max. Output Current (A)	23.9 A
Nominal Output Voltage (VAC)	230
Max. AC Input Power (W)	5500
Max. Bypass Current	35
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	2/1+1
Max. Operating PV Input Current	13+13



Specifications

8kW Ecco Hybrid Inverter

Max. DC Input Power (W)	10400
Max. DC Input Voltage (V)	500
Max. Output Power (W)	8800
Max. Output Current (A)	38.3
Nominal Output Voltage (VAC)	230
Max. AC Input Power (W)	8800
Max. Bypass Current	50
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	2/2+2
Max. Operating PV Input Current	26+26










Classic Hybrid Inverters

Single-Phase Bi-Directional Inverter

The Sunsynk Hybrid Inverter is a high-efficiency powerhouse designed to seamlessly manage power from various sources including wind, solar, grid, generators, and batteries. With its IP65 rating, it can be installed in multiple locations for versatile use. Equipped with multiple MPPTs, it adapts to different orientations easily.

Its touch screen LCD simplifies setup and monitoring, while having remote access via our exclusive Sunsynk Connect app that enables convenient control from anywhere in the world. Plus, with its UPS output capability, you can count on uninterrupted power supply even during grid outages. It's ideal for home and business and scalable so that you can expand it as required.

-  Colourful touch LCD.
-  IP65 protection degree.
-  AC couple to retrofit existing solar system.
-  Max. 16 pcs parallel for on-grid and off-grid operations, supporting multiple batteries in parallel.
-  Max. charging/discharging current of 190A.
-  6 time periods for battery charging/discharging.
-  Supports storing energy from diesel generators.



Specifications

3.6kW Hybrid Inverter SUNSYNK-3.6K-SG03LP1

Max. DC Input Power (W)	4680
Max. DC Input Voltage (V)	500
Max. Output Power (W)	3600
Max. Output Current (A)	17.2
Nominal Output Voltage (VAC)	230
Max. AC Input Power (W)	3960
Max. Bypass Current	35
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	2/1+1
Max. Operating PV Input Current	13+13



Specifications

5kW Hybrid Inverter SUNSYNK-5K-SG03LP1

Max. DC Input Power (W)	6500
Max. DC Input Voltage (V)	500
Max. Output Power (W)	5500
Max. Output Current (A)	23.9
Nominal Output Voltage (VAC)	230
Max. AC Input Power (W)	5000
Max. Bypass Current	35
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	2/1+1
Max. Operating PV Input Current	13+13



Specifications

8.8kW Hybrid Inverter SUNSYNK-8K-SG01LP1 SUNSYNK-8K-SG02LP1

Max. DC Input Power (W)	10400
Max. DC Input Voltage (V)	500
Max. Output Power (W)	8800
Max. Output Current (A)	36.7
Nominal Output Voltage (VAC)	230
Max. AC Input Power (W)	8000
Max. Bypass Current	50
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	2/2+2
Max. Operating PV Input Current	26+26



Classic Hybrid Inverters

Single-Phase Bi-Directional Inverter

The Sunsynk Hybrid Inverter is a high-efficiency powerhouse designed to seamlessly manage power from various sources including wind, solar, grid, generators, and batteries. With its IP65 rating, it can be installed in multiple locations for versatile use. Equipped with multiple MPPTs, it adapts to different orientations easily.

Its touch screen LCD simplifies setup and monitoring, while having remote access via our exclusive Sunsynk Connect app that enables convenient control from anywhere in the world. Plus, with its UPS output capability, you can count on uninterrupted power supply even during grid outages. It's ideal for home and business and scalable so that you can expand it as required.



100% unbalanced output, each phase the max. output is up to 50% rated power.



AC couple to retrofit existing solar system.



Max. 10 pcs parallel for on-grid and off-grid operations, supporting multiple batteries in parallel.



Max. charging/discharging current of 250A.



48V low voltage battery, transformer isolation design.



6 time periods for battery charging/discharging.



Supports storing energy from diesel generators.



Specifications

10kW Hybrid Inverter SUNSYNK-10K-SG02LP1

Max. DC Input Power (W)	15000
Max. DC Input Voltage (V)	500
Max. Output Power (W)	10000
Max. Output Current (A)	43.5
Nominal Output Voltage (VAC)	230
Max. AC Input Power (W)	10000
Max. Bypass Current	60
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	3/2+2+2
Max. Operating PV Input Current	26+26+26



Specifications

12kW Hybrid Inverter SUNSYNK-12K-SG02LP1

Max. DC Input Power (W)	18000
Max. DC Input Voltage (V)	500
Max. Output Power (W)	12000
Max. Output Current (A)	52.2
Nominal Output Voltage (VAC)	230
Max. AC Input Power (W)	12000
Max. Bypass Current	60
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	3/2+2+2
Max. Operating PV Input Current	26+26+26










16kW Sunsynk Max

World's Most Powerful Single-Phase, Low Voltage Inverter

We have taken the Sunsynk Hybrid Inverter to the highest level. Our new Sunsynk MAX is the most powerful low-voltage inverter currently available in the world, achieving a maximum output power of 16kW and battery charge current of 290A.

This power management tool allows the user to hit those 'parity' targets by managing power-flow from multiple sources such as solar, mains power (grid) and generators, and then effectively storing and releasing power as and when the need arises.

-  Colourful touch LCD.
-  IP65 protection degree.
-  AC couple to retrofit existing solar system.
-  Max. 16 pcs parallel for on-grid and off-grid operations, supporting multiple batteries in parallel.
-  Max. charging/discharging current of 290A.
-  6 time periods for battery charging/discharging.
-  Supports storing energy from diesel generators.



Specifications

16kW Hybrid Inverter SYNK-16K-SG01LP1

Max. DC Input Power (W)	20800
Max. DC Input Voltage (V)	500
Max. Output Power (W)	16000
Max. Output Current (A)	76.5
Nominal Output Voltage (VAC)	230
Max. AC Input Power (W)	16000
Max. Bypass Current	100
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	3/2+2+2
Max. Operating PV Input Current	26+26+26










Rack-Mounted Inverters

Hybrid Storage Inverter

The rack-mounted inverters are perfect for use where space is tight. They can be stacked up with batteries for several applications, for example, telecommunications systems and office UPS. Its convenient LCD display offers the user a configurable and accessible button operation, and once the Wi-Fi Data Logger has been attached, the user can monitor and adjust the inverter's functions remotely via the Sunsynk Connect app to make the most of installed power generation and storage.

In addition, similarly to our other hybrids, they can be connected to several input types, such as PV, AC grid, batteries, generators, micro-inverter, and wind turbines.

-  Colourful touch LCD.
-  IP65 protection degree.
-  AC couple to retrofit existing solar system.
-  Max. 16 pcs parallel for on-grid and off-grid operations, supporting multiple batteries in parallel.
-  Max. charging/discharging current of 190A.
-  6 time periods for battery charging/discharging.
-  Supports storing energy from diesel generators.



Specifications

Max. DC Input Power (W)	6500
Max. DC Input Voltage (V)	500
Max. Output Power (W)	5500
Max. Output Current (A)	23.9
Nominal Output Voltage (VAC)	230
Max. AC Input Power (W)	5000
Max. Bypass Current	35
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	2/1+1
Max. Operating PV Input Current	13+13

5.5kW Rack Mount SUNSYNK-5.5K-SG01LP1-B



Specifications

Max. DC Input Power (W)	9880
Max. DC Input Voltage (V)	500
Max. Output Power (W)	7600
Max. Output Current (A)	34.8
Nominal Output Voltage (VAC)	230
Max. AC Input Power (W)	7600
Max. Bypass Current	50
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	2/2+2
Max. Operating PV Input Current	26+26

7.6kW Rack Mount SUNSYNK-7.6K-SG01LP1-B



Specifications

Max. DC Input Power (W)	10400
Max. DC Input Voltage (V)	500
Max. Output Power (W)	8800
Max. Output Current (A)	36.7
Nominal Output Voltage (VAC)	230
Max. AC Input Power (W)	8000
Max. Bypass Current	50
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	2/2+2
Max. Operating PV Input Current	26+26

8.8kW Rack Mount SUNSYNK-8.8K-SG01LP1-B










3-Phase Hybrid Inverters

Three-Phase Bi-Directional Inverter

The Sunsynk Three-Phase On-Grid Parity Inverter is a highly efficient power management tool for three-phase grid applications. This inverter allows the user to control power flow from multiple sources such as solar, main electrical grids, and generators, and effectively store and deliver electric power to the grid.

They can operate with unbalanced loads, which means you can have 20% connected to one phase, 20% to another, and 60% to the third phase, and it still gives perfect phase rotation.

There is no other inverter in their class that can offer this amazing feature.

-  100% unbalanced output, each phase the max. output is up to 50% rated power.
-  AC couple to retrofit existing solar system.
-  Max. 10 pcs parallel for on-grid and off-grid operations, supporting multiple batteries in parallel.
-  Max. charging/discharging current of 240A.
-  48V low voltage battery, transformer isolation design.
-  6 time periods for battery charging/discharging.
-  Supports storing energy from diesel generators.



Specifications

8.8kW 3P Hybrid Inverter SYNK-8K-SG04LP3

Max. DC Input Power (W)	10400
Max. DC Input Voltage (V)	800
Max. Output Power (W)	8800
Max. Output Current (A)	12.8
Nominal Output Voltage (VAC)	230/400
Max. AC Input Power (W)	8000
Max. Bypass Current	45
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	2/2+1
Max. Operating PV Input Current	34+17



Specifications

10kW 3P Hybrid Inverter SYNK-10K-SG04LP3

Max. DC Input Power (W)	13000
Max. DC Input Voltage (V)	800
Max. Output Power (W)	11000
Max. Output Current (A)	15.9
Nominal Output Voltage (VAC)	230 / 400
Max. AC Input Power (W)	10000
Max. Bypass Current	45
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	2/2+1
Max. Operating PV Input Current	34+17



Specifications

12kW 3P Hybrid Inverter SYNK-12K-SG04LP3

Max. DC Input Power (W)	15600
Max. DC Input Voltage (V)	500
Max. Output Power (W)	12000
Max. Output Current (A)	19.1
Nominal Output Voltage (VAC)	230 / 400
Max. AC Input Power (W)	12000
Max. Bypass Current	45
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	2/2+1
Max. Operating PV Input Current	34+17



HV Hybrid Inverters








Three-Phase Bi-Directional Inverter

The perfect solution for commercial and industrial applications. This high-efficiency inverter can handle up to 32,500W of solar energy, so you'll never be without power!

With remote monitoring capabilities through our dedicated Sunsynk Connect app, you can track the efficiency of your system on-the-go, helping you to stay ahead of potential issues to ensure optimal performance.

Designed for easy installation and maintenance, these Hybrid Inverters will seamlessly integrate into your world to reduce costs, and provide reliable, renewable energy.



-  100% unbalanced output, each phase.
-  AC couple to retrofit existing solar system.
-  Max. 10 pcs parallel for on-grid and off-grid operations, supporting multiple batteries in parallel.
-  Max. charging/discharging current of 50A.
-  High voltage battery, higher efficiency.
-  6 time periods for battery charging/discharging.
-  Supports storing energy from diesel generators.



Specifications

10kW 3P Hybrid Inverter SUNSYNK-10K-SG01HP3-EU-AM2

12kW 3P Hybrid Inverter SUNSYNK-12K-SG01HP3-EU-AM2

Max. DC Input Power (W)	13000	15600
Max. DC Input Voltage (V)	1000	1000
Max. Output Power (W)	10000	12000
Max. Output Current (A)	16	19.2
Nominal Output Voltage (VAC)	230 / 400	230 / 400
Max. AC Input Power (W)	10000	12000
Max. Bypass Current (A)	40	80
Max. Efficiency	97.60%	97.60%
No. of MPPT/No. of String Per MPPT	2/1+1	2/2+1
Max. Operating PV Input Current	20+20	26+20

Specifications

20kW 3P Hybrid Inverter SUNSYNK-20K-SG01HP3-EU-AM2

25kW 3P Hybrid Inverter SUNSYNK-25K-SG01HP3-EU-AM2

Max. DC Input Power (W)	26000	32500
Max. DC Input Voltage (V)	1000	1000
Max. Output Power (W)	20000	25000
Max. Output Current (A)	31.9	39.9
Nominal Output Voltage (VAC)	230 / 400	230 / 400
Max. AC Input Power (W)	20000	25000
Max. Bypass Current (A)	80	80
Max. Efficiency	97.60%	97.60%
No. of MPPT/No. of String Per MPPT	2/2+2	2/2+2
Max. Operating PV Input Current	26+26	26+26








HV Hybrid Inverters

Three-Phase Bi-Directional Inverter

The perfect solution for commercial and industrial applications. This high-efficiency inverter can handle up to 104,000W of solar energy, so you'll never be without power!

With remote monitoring capabilities through our dedicated Sunsynk Connect app, you can track the efficiency of your system on-the-go, helping you to stay ahead of potential issues to ensure optimal performance.

Designed for easy installation and maintenance, these Hybrid Inverters will seamlessly integrate into your world to reduce costs, and provide reliable, renewable energy.

-  100% unbalanced output, each phase.
-  AC couple to retrofit existing solar system.
-  Max. 10 pcs parallel for on-grid and off-grid operations, supporting multiple batteries in parallel.
-  Max. charging/discharging current of 100A.
-  High voltage battery, higher efficiency.
-  6 time periods for battery charging/discharging.
-  Supports storing energy from diesel generators.



Specifications

30kW 3P Hybrid Inverter SUNSYNK-30K-SG01HP3-EU-BM3

Max. DC Input Power (W)	39000
Max. DC Input Voltage (V)	1000
Max. Output Power (W)	30000
Max. Output Current (A)	47.9
Nominal Output Voltage (VAC)	230 / 400
Max. AC Input Power (W)	30000
Max. Bypass Current	200
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	3/2+2+2
Max. Operating PV Input Current	36+36+36



Specifications

50kW 3P Hybrid Inverter SUNSYNK-50K-SG01HP3-EU-BM4

Max. DC Input Power (W)	65000
Max. DC Input Voltage (V)	1000
Max. Output Power (W)	50000
Max. Output Current (A)	79.8
Nominal Output Voltage (VAC)	230 / 400
Max. AC Input Power (W)	50000
Max. Bypass Current	200
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	4/2+2+2+2
Max. Operating PV Input Current	36+36+36+36



Specifications

80kW 3P Hybrid Inverter SUNSYNK-80K-SG01HP3-EU-BM4

Max. DC Input Power (W)	104000
Max. DC Input Voltage (V)	1000
Max. Output Power (W)	80000
Max. Output Current (A)	115.9
Nominal Output Voltage (VAC)	230 / 400
Max. AC Input Power (W)	80000
Max. Bypass Current	200
Max. Efficiency	97.60%
No. of MPPT/No. of String Per MPPT	4/3+3+3+3
Max. Operating PV Input Current	42+42+42+42



Elite Single-Phase

All-in-One Energy Storage System

This is an All-in-one energy storage system integrated with 3.6kW~8kW hybrid inverters and energy storage batteries. Modular stacked design, easy installation, easy expansion, capacity range of 5kWh to 30kWh, Lithium iron phosphate battery, safe and reliable.

This multifunctional inverter combines the functions of an inverter, solar charger, and battery charger to offer uninterruptible power support in a portable size. Its comprehensive LCD display offers configurable and easily accessible button operations such as battery charging, AC/solar charging, and acceptable input voltage based on different applications.



Specifications	Elite 3.6kW Single-Phase SS-AIO-W5.1-3.6P1-EU-B	Elite 5kW Single-Phase SS-AIO-W5.1-5P1-EU-B
Max. DC Input Power (W)	4680	6500
Max. DC Input Voltage (V)	500	500
Max. Output Power (W)	3600	5000
Max. Charging/Discharging Current (A)	90	120
Nominal Output Voltage (VAC)	230	230
No. of MPP Trackers	2	2
Max. Operating PV Input Current	13+13	13+13
Battery Operating Voltage (V)	43.2 ~ 57.6	43.2 ~ 57.6
Max. Efficiency	97.60%	97.60%

Specifications	Elite 6kW Single-Phase SS-AIO-W5.1-6P1-EU-B	Elite 7.6kW Single-Phase SS-AIO-W5.1-7.6P1-EU-B
Max. DC Input Power (W)	7800	9880
Max. DC Input Voltage (V)	500	500
Max. Output Power (W)	6000	7600
Max. Charging/Discharging Current (A)	135	190
Nominal Output Voltage (VAC)	230	230
No. of MPP Trackers	2	2
Max. Operating PV Input Current	13+13	26+26
Battery Operating Voltage (V)	43.2 ~ 57.6	43.2 ~ 57.6
Max. Efficiency	97.60%	97.60%

Specifications	Elite 8kW Single-Phase SS-AIO-W5.1-8P1-EU-B
Max. DC Input Power (W)	10400
Max. DC Input Voltage (V)	500
Max. Output Power (W)	8000
Max. Charging/Discharging Current (A)	190
Nominal Output Voltage (VAC)	230
No. of MPP Trackers	2
Max. Operating PV Input Current	26+26
Battery Operating Voltage (V)	43.2 ~ 57.6
Max. Efficiency	97.60%



All-in-one design, integrated 3.6kW~8kW Single Phase hybrid inverter and battery.



Comfortable and easy control via App, PC or Touch-Display.



Leading smart applications: peak shaving, smart load, AC couple, etc.



Modular lithium iron phosphate battery, capacity of 5kWh~30kWh, scalable and safety.



Flat and stackable design, floor mounted, no wiring and extra fixing screws, quick and easy installation.



Fast switching time of 4ms, ensuring your energy security.



Elite Three-Phase

All-in-One Energy Storage System

This is an All-in-one energy storage system integrated with 5kW~12kW hybrid inverters and energy storage batteries. Modular stacked design, easy installation, easy expansion, capacity range of 5kWh to 30kWh, Lithium iron phosphate battery, safe and reliable.

This multifunctional inverter combines the functions of an inverter, solar charger, and battery charger to offer uninterruptible power support in a portable size. Its comprehensive LCD display offers user-configurable and easily accessible button operations such as battery charging, AC/solar charging, and acceptable input voltage based on different applications.



All-in-one design, integrated 5kW~12kW Single Phase hybrid inverter and battery.



Comfortable and easy control via App, PC or Touch-Display.



Leading smart applications: peak shaving, smart load, AC couple, etc.



Modular lithium iron phosphate battery, capacity of 5kWh~30kWh, scalable and safety.



Flat and stackable design, floor mounted, no wiring and extra fixing screws, quick and easy installation.



Fast switching time of 4ms, ensuring your energy security.



Specifications

Elite 5kW Three-Phase SS-AIO-W5.1-5P3-EU-B

Max. DC Input Power (W)	6500
Max. DC Input Voltage (V)	200-650
Max. Output Power (W)	5000/5000
Max. Charging/Discharging Current (A)	120
Nominal Output Voltage (VAC)	400
No. of MPP Trackers	2
Max. Operating PV Input Current	13+13
Battery Operating Voltage (V)	43.2 ~ 57.6
Max. Efficiency	97.60%

Specifications

Elite 6kW Three-Phase SS-AIO-W5.1-6P3-EU-B

Max. DC Input Power (W)	7800
Max. DC Input Voltage (V)	200-650
Max. Output Power (W)	6000/6000
Max. Charging/Discharging Current (A)	150
Nominal Output Voltage (VAC)	400
No. of MPP Trackers	2
Max. Operating PV Input Current	13+13
Battery Operating Voltage (V)	43.2 ~ 57.6
Max. Efficiency	97.60%

Specifications

Elite 8kW Three-Phase SS-AIO-W5.1-8P3-EU-B

Max. DC Input Power (W)	10400
Max. DC Input Voltage (V)	200-650
Max. Output Power (W)	8000/8000
Max. Charging/Discharging Current (A)	190
Nominal Output Voltage (VAC)	400
No. of MPP Trackers	2
Max. Operating PV Input Current	13+13
Battery Operating Voltage (V)	43.2 ~ 57.6
Max. Efficiency	97.60%

Specifications

Elite 10kW Three-Phase SS-AIO-W5.1-10P3-EU-B

Max. DC Input Power (W)	13000
Max. DC Input Voltage (V)	200-650
Max. Output Power (W)	1000/1000
Max. Charging/Discharging Current (A)	120
Nominal Output Voltage (VAC)	400
No. of MPP Trackers	2
Max. Operating PV Input Current	26+13
Battery Operating Voltage (V)	43.2 ~ 57.6
Max. Efficiency	97.60%

Sunsynk Batteries



Convenient: Quick installation, wall-mounted and standard 19-inch embedded design module is convenient for installation and maintenance.



Safe & Reliable: The LiFePO₄ cathode ensures safety and long cycle life. The module has low self-discharge (up to 6 months without charging), no memory effect, and excellent shallow charge/discharge performance.



Eco Friendly: The whole module is non-toxic and environmentally friendly.



Flexible Configuration: Multiple battery modules can be paralleled to expand capacity and power. Supports remote upgrades with Sunsynk inverters.



Intelligent BMS: Our system offers protection against over-discharge, over-charge, over-current, and extreme temperatures. It automatically manages charge/discharge states and balances the current and voltage of each cell.

Specifications

IP65-W 5.32kWh SUNSYNK-W5.3

PAS 63100:2024

Battery Chemistry	LiFePO ₄
Module Capacity (Ah)	104
Scalability Max (kWh)	170
Nominal Voltage (V)	51.2
Operating Voltage (V)	43.2 ~ 57.6
Energy (kWh)	5.32
Usable Energy (kWh)	4.79
Charge / Discharge Current (Amp)	100
Recommended Charge/ Discharge Current	50 / 100



Specifications

IP65-W 10.64kWh SUNSYNK-W10.6

PAS 63100:2024

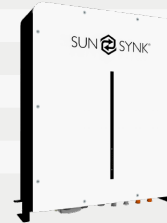
Battery Chemistry	LiFePO ₄
Module Capacity (Ah)	208
Scalability Max (kWh)	340
Nominal Voltage (V)	51.2
Operating Voltage (V)	43.2 ~ 57.6
Energy (kWh)	10.64
Usable Energy (kWh)	9.58
Charge / Discharge Current (Amp)	200 / 240
Recommended Charge/ Discharge Current	104 / 104



Specifications

IP65 - 3.07kWh SUNSYNK-L3.0

Battery Chemistry	LiFePO ₄
Module Capacity (Ah)	60
Scalability Max (kWh)	12
Nominal Voltage (V)	51.2
Operating Voltage (V)	43.2-57.6
Energy (kWh)	3.07
Usable Energy (kWh)	2.76
Charge / Discharge Current (A)	60
Recommended Charge/ Discharge Current (A)	30 / 60



Specifications

REPT 5.32kWh SUN-BATT-5.32

Battery Chemistry	LiFePO ₄
Module Capacity (Ah)	104
Scalability Max (kWh)	79.8
Nominal Voltage (V)	51.2
Operating Voltage (V)	45.6-56.16
Energy (kWh)	5.32
Usable Energy (kWh)	5.32
Charge / Discharge Current (A)	50
Recommended Charge/ Discharge Current (A)	50 / 100



Specifications

IP65 5.32kWh SUNSYNK-L5.3

Battery Chemistry	LiFePO ₄
Module Capacity (Ah)	104
Scalability Max (kWh)	163.84
Nominal Voltage (V)	51.2
Operating Voltage (V)	43.2 ~ 57.6
Energy (kWh)	5.32
Usable Energy (kWh)	4.79
Charge / Discharge Current (A)	100
Recommended Charge/ Discharge Current (A)	50 / 100



Specifications

IP20 5.32kWh SUNSYNK-G5.3

Battery Chemistry	LiFePO ₄
Module Capacity (Ah)	104
Scalability Max (kWh)	163.84
Nominal Voltage (V)	51.2
Operating Voltage (V)	43.2 ~ 57.6
Energy (kWh)	5.32
Usable Energy (kWh)	4.79
Charge / Discharge Current (A)	100
Recommended Charge/ Discharge Current (A)	50 / 100



Specifications

61.44kWh HV Battery SUNSYNK-G60

Battery Chemistry	LiFePO ₄
Module Capacity (Ah)	100
Scalability Max (kWh)	983.04
Nominal Voltage (V)	51.2
Operating Voltage (V)	499.2 ~ 700
Energy (kWh)	5.12
Usable Energy (kWh)	55.29
Charge / Discharge Current (Amp)	100
Recommended Charge/ Discharge Current (A)	50 / 100

40.96kWh HV Battery SUNSYNK-G40

Battery Chemistry	LiFePO ₄
Module Capacity (Ah)	100
Scalability Max (kWh)	655.36
Nominal Voltage (V)	51.2
Operating Voltage (V)	332.8 ~ 467.2
Energy (kWh)	5.12
Usable Energy (kWh)	36.86
Charge / Discharge Current (Amp)	100
Recommended Charge/ Discharge Current (A)	50 / 100



IP65 W-Series Batteries

5.32kWh Battery | 10.64kWh Battery

Our latest IP65 batteries, available in 5.32kWh and 10.64kWh modules, features advanced LiFePO₄ battery cell technology. These robust batteries are designed to charge at temperatures as low as -10°C and discharge at temperatures down to -20°C, ensuring continuous reliable performance in harsh conditions.

Other features include an inbuilt 125A Miniature Circuit Breaker for enhanced safety and protection, 90% depth of discharge, and scalability up to 32 modules.

Our 5.32kWh modules can be mounted either on a wall or in a 19" cabinet, whereas our 10.64kWh modules can be wall or floor mounted.



IP65 L-Series Batteries

3.07kWh Battery | 5.32kWh Battery

Our L-Series batteries are IP65 rated and are available in both 3.07kWh and 5.32kWh modules. They offer a 90% depth of discharge, can be mounted either on a wall, or in a 19" cabinet, and are scalable up to 32 modules. Our advanced Battery Management System (BMS) also offers a quick paralleling function, so no dip switches are needed, making installation straight forward.

REPT Series Batteries

5.32kWh Battery | 10.65kWh Battery

Our indoor 5.32kWh & 10.65kWh LiFePO₄ batteries have been engineered to the highest standard. The 5.32kWh model is scalable up to 16 times, providing a maximum capacity of 85.12kWh, while the 10.65kWh can be scaled up to 15 times, allowing for an impressive 159.75kWh per inverter. Both batteries support up to 80% depth of discharge, ensuring efficient and reliable energy storage solutions.

Our advanced Battery Management System (BMS) simplifies the installation process with quick paralleling and no need for dip switches. Just wire it in parallel, power up and you're good to go.



IP20 G-Series Battery

5.32kWh Battery

Our G-Series IP20 battery consists of LiFePO₄ cells with 5.32kWh overall capacity per module. They offer a 90% depth of discharge, can be mounted either on a wall, or in a 19" cabinet, and are scalable up to 32 modules. Our advanced Battery Management System (BMS) also offers a quick paralleling function, so no dip switches are needed, making installation straight forward.

High Voltage Series

“High Voltage, Peak Performance”

The High Voltage Series represents a cutting-edge lithium-iron battery system designed to offer dependable backup power solutions. Its purpose is to stabilize load curves and facilitate seamless peak load transfers. Additionally, it enhances the stability of renewable energy systems, thus advancing the adoption of sustainable energy practices.

Our modular energy storage system is designed with high integration, exceptional reliability and a long service life. With a wide working temperature range, this system offers outstanding flexibility and scalability.

Each battery module boasts a capacity of 5.12kWh. The complete system supports 12 battery modules in series, so your total energy capacity can reach an impressive 61.44kWh - perfect for any large scale installations.



Safe & Reliable: LiFePO₄ with safety performance and long cycle life.



Intelligent BMS: Protection functions including over-discharge, over-charge, over-current and high or low temperature. The system can automatically manage charge, discharge state, balance current and voltage of each cell.



Flexible Configuration: Multiple battery modules can be in parallel for expanding capacity and power.



Protection: Built-in circuit breaks in BMU, to provide protection to both the equipment and the equipment operator in the event of a circuit overload.



Specifications

40.96kWh HV Battery SUNSYNK-G40

Battery Chemistry	LiFePO ₄
Module Capacity (Ah)	100
Scalability Max (kWh)	655.36
Nominal Voltage (V)	51.2
Operating Voltage (V)	332.8 - 467.2
Energy (kWh)	5.12
Usable Energy (kWh)	36.86
Charge / Discharge Current (Amp)	100
Recommended Charge/ Discharge Current (A)	50 / 100

Specifications

61.44kWh HV Battery SUNSYNK-G60

Battery Chemistry	LiFePO ₄
Module Capacity (Ah)	100
Scalability Max (kWh)	983.04
Nominal Voltage (V)	51.2
Operating Voltage (V)	499.2 - 700
Energy (kWh)	5.12
Usable Energy (kWh)	55.29
Charge / Discharge Current (Amp)	100
Recommended Charge/ Discharge Current (A)	50 / 100

Lifelynk Series

All-in-One Hybrid Inverter & Battery

Introducing the Lifelynk Series from Sunsynk Mobile — engineered to meet your evolving energy needs with sustainable and cost-efficient solutions. Priced to compete with smartphones, this series simplifies the transition to solar energy through its all-in-one, plug-and-play design for hassle-free installation.

The Lifelynk lineup includes:

- Lifelynk S: Featuring a 2.5kW hybrid inverter and a 2kWh battery, suitable for everyday energy requirements.
- Lifelynk X: Equipped with a 3.6kW hybrid inverter and a 3.84kWh battery, designed for those needing additional power.
- Lifelynk XL: Offers a robust 5.5kW hybrid inverter and a 5.22kWh battery, ideal for high-demand scenarios.

Designed to grow with your needs, Lifelynk systems support expansions up to 6 parallel modules and can integrate seamlessly with existing solar storage solutions, ensuring flexibility and scalability for any energy demand.



Easy Install: Masterfully crafted to simplify and speed up installation, allowing for more efficient planning and implementation of large volume roll outs in new house builds or retrofits.



All-in-One: The battery, inverter, and all necessary input and output ports are ingeniously integrated into the unit itself, making it a marvel of compact yet comprehensive power management technology.



Colour LCD: A backlit LCD display is ideal for installations in dimly lit areas. The unit's status is easily discernible thanks to a simple colour-coded light system, making it straightforward for users to understand the current state of the Lifelynk unit.



Wi-Fi Compatible: Its integrated Wi-Fi Data Logger, part of the Sunsynk Connect Platform, allows the system to be set up, managed, and controlled from any location.



Solar Panel Compatible: It can store energy produced by solar panels, provide power during peak times, and act as an uninterrupted power supply during outages.

Specifications

Lifelynk S SM2.5kWLL	
Supported Battery Type	LiFePO ₄
Battery Capacity (Wh)	2000
Max. DC Input Power (W)	3000
Max. DC Input Voltage (V)	500
Max. Output Power (W)	2500
Max. Output Current (A)	11
Nominal Output Voltage (Vac)	230
Max Input Power (W)	2500
Max Bypass Current (A)	20
No. of MPPT/No. of String Per MPPT	1
Max. Operating PV Input Current (A)	12



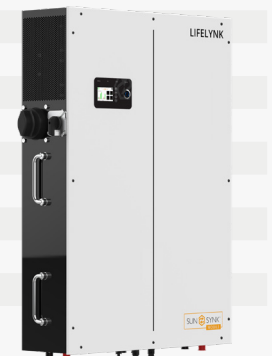
Specifications

Lifelynk X SM3.6kWLL	
Supported Battery Type	LiFePO ₄
Battery Capacity (Wh)	3840
Max. DC Input Power (W)	4500
Max. DC Input Voltage (V)	500
Max. Output Power (W)	3600
Max. Output Current (A)	16
Nominal Output Voltage (Vac)	230
Max Input Power (W)	3600
Max Bypass Current (A)	40
No. of MPPT/No. of String Per MPPT	1
Max. Operating PV Input Current (A)	12



Specifications

Lifelynk XL SM5.5kWLL	
Supported Battery Type	LiFePO ₄
Battery Capacity (Wh)	5223
Max. DC Input Power (W)	6800
Max. DC Input Voltage (V)	500
Max. Output Power (W)	5500
Max. Output Current (A)	24
Nominal Output Voltage (Vac)	230
Max Input Power (W)	5500
Max Bypass Current (A)	40
No. of MPPT/No. of String Per MPPT	1
Max. Operating PV Input Current (A)	16



PowerHub

All-in-One Power & Storage System

Engineered for efficiency, the PowerHub is designed to meet diverse power needs, from building and site management to charging electric vehicles. It provides a reliable power backup or off-grid solution, ideal for home or commercial centers, and is perfect for frequency regulation or integrating renewable energy sources like solar, wind, and diesel generators.

By integrating the PowerHub into your infrastructure, you can localize and decentralize power storage, creating buffers to balance loads and meet immediate demands such as multiple electric vehicle chargers—without operational strain. Sunsynk's expertise allows us to design fully integrated systems for each site from day one, leveraging a variety of technologies to minimize energy requirements and ensure immediate benefits and long-term efficiency for your infrastructure.



Safe & Reliable: LiFePO₄ with safety performance and long cycle life.

Equipped with multiple alarms, exhaust ventilation, and an aerosol fire suppression system specifically designed for the LFP battery pack, enhancing safety.



Intelligent BMS: Protection functions including over-discharge, over-charge, over-current and high or low temperature. The system can automatically manage charge, discharge state, balance current and voltage of each cell.



Flexible Configuration: Offers a modular design that supports expansion with MPPT, charging modules, and generators to meet growing energy demands. Also, ensures power supply redundancy and operational reliability.



High Capacity Storage: Boasts 230kWh in a compact footprint, with the ability to expand up to a maximum capacity of 360kWh, maximizing space efficiency without sacrificing performance.



Optimal Power Output: Provides a nominal power output of 100kW with a maximum round trip efficiency of 88%, ensuring powerful and cost-effective operation.



Specifications

PowerHub 60 SS-CS-GE-F60

Max. Grid AC Input (kW)	50
Max. PV Input Power (W)	65000
AC Output Rated Current (A)	75.8
Battery Rated Energy (kWh)	61.4
Module Capacity (Ah)	100
Battery Usable Energy (kWh)	55.29
Charge/Discharge Current (A)	100
Max. Load MPPT Voltage Range (V)	150-850
Number of MPPT / Number of String	4/8

Specifications

PowerHub 120 SS-CS-GE-F120

Max. Grid AC Input (kW)	50
Max. PV Input Power (W)	65000
AC Output Rated Current (A)	75.8
Battery Rated Energy (kWh)	122.8
Module Capacity (Ah)	100
Battery Usable Energy (kWh)	110.5
Charge/Discharge Current (A)	100
Max. Load MPPT Voltage Range (V)	150-850
Number of MPPT / Number of String	4/8

Specifications

PowerHub 500 (EU) SUNSYNK-L466-2H2

Max. Grid AC Input Power (kW)	200
Nominal AC Voltage (V)	400
Battery Type	LiFePO ₄
Nominal Capacity (Ah)	280
Nominal Energy (kWh)	465.92
DC Voltage Range (Vd.c)	676-949
Charge/Discharge C-Rating	0.5
Type of Cooling	Liquid Cooling
Fire Suppression	Aerosol, Water
Communication	RS485, Modbus TCP, DIDO


Innagator Series


The World's First Mass Produced BESS


The Innagator Series, a high-voltage lithium-ion battery system, offers ultimate flexibility with a wide operating temperature range. It provides reliable backup power for various settings such as supermarkets, banks, schools, farms, and small factories, helping to smooth load curves and manage peak demand efficiently.


Engineered for mass production, this pioneering system excels in energy storage, management, and distribution, effectively addressing today's pressing power challenges. Its modular construction significantly cuts down costs related to scaling and maintenance after the initial purchase.


Available in three sizes to meet different power needs and spatial constraints, the Innagator Series reflects Sunsynk Mobile's innovative approach and foresight in meeting future energy demands.


 **Cost Reduction:** Lower electricity expenses and purchase energy at off-peak rates for additional savings.


 **Income Generation:** Store and sell electricity back to the grid, creating a new revenue stream.

 **Renewable Energy Utilization:** Harness and store energy from renewable sources.

 **Grid Impact Minimization:** Provides high output power to heavy loads like EVs and container ships without overloading the grid.

 **Business Efficiency:** Specifically enables businesses to significantly cut electricity costs.

 **Portability:** Ideal for charging CEV fleets in remote locations, enhancing mobility.

 **Rapid Deployment:** Quick to deliver and install, reducing operational downtime and associated costs.



Specifications

Innagator 0.25MWh SUNSYNK-100K-1H

Max. Grid AC Input (kW)	200 (bypass)
Max. Load Output (kW)	100
Aux Load (kW)	5
Battery Rated Energy (kWh)	244
Battery Capacity (Ah)	100
Pack / Rack / Stack Configuration	2P12S (24 cells) / 2P192S (16 packs) / 2*2P192S (2 racks)
Max. DC Input Power (W)	65000*2
Max. Load MPPT Voltage Range (V)	450-850
Number of MPPT/Number of String	8/16

Specifications

Innagator 0.5MWh SUNSYNK-250K-1H

Max. Grid AC Input (kW)	500 (bypass)
Max. Load Output (kW)	250
Aux Load (kW)	5
Battery Rated Energy (kWh)	537
Battery Capacity (Ah)	100
Pack / Rack / Stack Configuration	2P12S (24 cells) / 2P168S (14 packs) / 5*2P168S (5 racks)
Max. DC Input Power (W)	65000*5
Max. Load MPPT Voltage Range (V)	450-850
Number of MPPT/Number of String	20/40

Specifications

Innagator 1.0MWh SUNSYNK-400K-2H

Max. Grid AC Input (kW)	800 (bypass)
Max. Load Output (kW)	400
Aux Load (kW)	5
Battery Rated Energy (kWh)	980
Battery Capacity (Ah)	100
Pack / Rack / Stack Configuration	1P16S (16 cells) / 1P192S (12 packs) / 8*2*1P192S (16 racks)
Max. DC Input Power (W)	65000*8
Max. Load MPPT Voltage Range (V)	450-850
Number of MPPT/Number of String	32/64

Contour

The 'Contour' is a versatile all-in-one power pack designed to function as an Uninterruptible Power System (UPS), seamlessly connecting to both mains and essential power loads. Ideal for home offices, it ensures that laptops, fridges, and lights continue to operate during load shedding or power outages. This portable power source combines a pure sine wave inverter with advanced lithium iron phosphate (LiFePO4) batteries, available in 1kWh and 2kWh versions.

The 'Contour' offers multiple output options (5V, 9V, 12V, and 240V) to power a variety of devices. Its built-in inverter ensures efficient power conversion, and the unit is equipped with wheels for easy transportation. It can be charged from mains power or solar panels, providing flexibility and convenience. User-friendly indicators display battery charge levels and system load for easy monitoring. With its reliable performance and portability, the 'Contour' is perfect for ensuring uninterrupted power supply at home or on the go.



Specifications	Contour 1000 (Trolley) C-1000-GT	Contour 2000 (Trolley) C-2000-GT
Battery Chemistry	LiFePO ₄	LiFePO ₄
Battery Capacity (Wh)	921.6	1843.2
Capacity	1000W PSW Inverter 250W MPPT Charger 250W AC Charger	1000W PSW Inverter 250W MPPT Charger 250W AC Charger
Max. Charging Current (Mains)	10A	10A
Inverter Peak Wattage	2000W (4S)	2000W (4S)
Inverter Normal Max. Running Power (W)	1000	1000
Max. Inverter Efficiency	>92%	>92%
Current Harmonic Distortion	<3%	<3%

Micro Inverters

Introducing the 500Watt and 2000Watt Micro Inverters, next-generation grid-tied inverters designed for maximum efficiency and reliability in your solar energy system. These advanced inverters feature intelligent networking and monitoring systems for optimal performance and real-time data tracking.

The 500Watt Micro Inverter is tailored for modern high-output PV modules, offering a 500W output and dual MPPT for efficient energy harnessing. For larger energy demands, the 2000Watt Micro Inverter provides even greater capacity with 4 MPPT trackers, allowing the connection of multiple modules without any external communication device. It maintains the same high standards of efficiency and reliability.

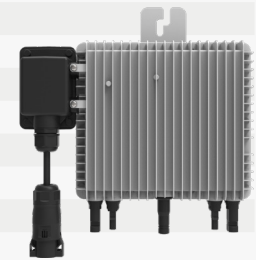
Both models support rapid shutdown applications, enhancing safety and protecting your investment. Achieve superior energy efficiency and safety with Sunsynk's 500Watt and 2000Watt Micro Inverters.

Specifications

Max. PV Input Power (W)	210-700 (1 Piece)
Max. PV Input Voltage (V)	60
Start-up Voltage (V)	20
MPPT Voltage Range (V)	25-55
Rated PV Input Voltage (V)	42.5
Max. Operating PV Input Current (A)	13
No. of Strings per MPP Tracker	1
Rated AC Output Active Power (W)	500
Max. AC Output Current (A)	2.2

500Watt Micro Inverter

SUN-M50G4-EU-Q0

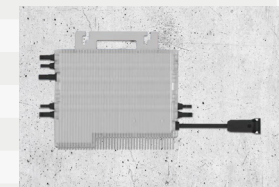


Specifications

Max. PV Input Power (W)	210-700 (1 Piece)
Max. PV Input Voltage (V)	60
Start-up Voltage (V)	20
MPPT Voltage Range (V)	25-55
Rated PV Input Voltage (V)	42.5
Max. Operating PV Input Current (A)	18+18+18+18
No. of Strings per MPP Tracker	1
Rated AC Output Active Power (W)	2000
Max. AC Output Current (A)	8.7

2000Watt Micro Inverter

SUN-M2000G4-EU-Q0





String Inverters

Single-Phase Grid Tied Inverters

Sunsynk's inverters are designed for solar systems powering heaters, water pumps for swimming pools, greenhouses, and other high-demand applications, as well as homes and businesses. Ideal for heating hot water on sunny days, they automatically draw power from the mains grid when sunlight is low. The built-in CT coil controls power draw, and IP65-rated connections ensure durability. With Wi-Fi, users can monitor and control the inverter remotely.

These inverters are perfect for residential rooftops, featuring one or two MPPTs for single or multiple alignments. They support zero export and VSG applications, with two MPP trackers achieving up to 98.5% efficiency. Their wide output voltage range offers versatility and compatibility with various systems.

 2 MPPT, Max. efficiency up to 98.7%.

 Zero export application, VSG application.

 String intelligent monitoring.

 Wide output voltage range.

 Anti-PID function (optional).



Specifications	2kW String Inverter SUN-2K-G04P1-EU-AM1	2.5kW String Inverter SUN-2.5K-G04P1-EU-AM1
Max. PV Input Power (kW)	2.6	3.3
Max. PV Input Voltage (V)	550	550
Start-up Voltage (V)	80	80
MPPT Voltage Range (V)	70-500	70-500
Rated PV Input Voltage (V)	360	360
Max. Operating PV Input Current (A)	20	20
No. of Strings per MPP Tracker	1	1
Rated AC Output Active Power (kW)	2	2.5
Max. AC Output Current (A)	10/9.6	12.5/12

Specifications	3.6kW String Inverter SUN-3.6K-G04P1-EU-AM1	5kW String Inverter SUN-5K-G04P1-EU-AM1
Max. PV Input Power (kW)	4.7	6.5
Max. PV Input Voltage (V)	550	550
Start-up Voltage (V)	80	80
MPPT Voltage Range (V)	70-500	70-500
Rated PV Input Voltage (V)	360	360
Max. Operating PV Input Current (A)	20	18+18
No. of Strings per MPP Tracker	1	2/1+1
Rated AC Output Active Power (kW)	3.6	5
Max. AC Output Current (A)	18/17.3	25/24

Specifications	10kW String Inverter SUN-10K-G04P1-EU-AM1
Max. PV Input Power (kW)	13
Max. PV Input Voltage (V)	550
Start-up Voltage (V)	80
MPPT Voltage Range (V)	70-500
Rated PV Input Voltage (V)	360
Max. Operating PV Input Current (A)	26+26
No. of Strings per MPP Tracker	2/2+2
Rated AC Output Active Power (kW)	10
Max. AC Output Current (A)	50/47.9

String Inverters

Three-Phase Grid Tied Inverters

Sunsynk's inverters are designed for solar systems powering heaters, water pumps for swimming pools, greenhouses, and other high-demand applications, as well as homes and businesses. Ideal for heating hot water on sunny days, they automatically draw power from the mains grid when sunlight is low. The built-in CT coil controls power draw, and IP65-rated connections ensure durability. With Wi-Fi, users can monitor and control the inverter remotely.

The 15kW, 25kW, and 50kW three-phase inverters are perfect for residential rooftops. They feature one or two MPPTs for single or multiple alignments, supporting zero export and VSG applications. The 15kW and 25kW models have 2 MPP trackers, while the 50kW model has 4 MPP trackers, all achieving up to 98.5% efficiency. Their wide output voltage range offers versatility and compatibility with various systems.



Specifications	15kW 3P String Inverter	25kW 3P String Inverter	50kW 3P String Inverter
Max. PV Input Power (kW)	19.5	32.5	65
Max. PV Input Voltage (V)	1000	1100	1100
Start-up Voltage (V)	250	250	250
MPPT Voltage Range (V)	200-850	200-1000	200-1000
Rated PV Input Voltage (V)	600	600	600
Max. Operating PV Input Current (A)	13+26	26+26	40+40+40+40
No. of Strings per MPP Tracker	2/1+2	2/2+2	4/3+3+3+3
Rated AC Output Active Power (kW)	15	25	50
Max. AC Output Current (A)	25/23.9	41.7/39.8	83.3/79.7

String Inverters

Three-Phase Grid Tied Inverters

For medium scale commercial rooftops and ground-mounted solar PV systems, the 80kW inverter provides reliability and stability. It features a 30% DC input oversizing ratio and a 10% AC output overloading ratio, ensuring a faster return on investment. With four integrated MPPTs, it accommodates inputs from different roof orientations and allows for remote monitoring and control.

Specifications	80kW 3P String Inverter
Max. PV Input Power (kW)	104
Max. PV Input Voltage (V)	1000
Start-up Voltage (V)	250
MPPT Voltage Range (V)	200-850
Rated PV Input Voltage (V)	600
Max. Operating PV Input Current (A)	40+40+40+40
No. of Strings per MPP Tracker	4/4+4+4+4
Rated AC Output Active Power (kW)	80
Max. AC Output Current (A)	133.3/127.5



The largest inverter in our lineup, the 100kW model, is ideal for mega-watt solar farms, requiring only 10 units for such a setup. It boasts an ultra-compact design, cool operation, and direct connection to the utility grid (230/400V) without a transformer. This inverter includes 6 MPP trackers, 24 string pairs, and a maximum DC input power of 150kW. It supports zero export and VSG applications, making it an excellent investment for large-scale solar systems. All inverters feature an LCD display and buttons for easy operation and maintenance, designed for remote areas.

Specifications	100kW 3P String Inverter
Max. PV Input Power (kW)	120
Max. PV Input Voltage (V)	1000
Start-up Voltage (V)	250
MPPT Voltage Range (V)	200-850
Rated PV Input Voltage (V)	600
Max. Operating PV Input Current (A)	40+40+40+40+40
No. of Strings per MPP Tracker	6/4+4+4+4
Rated AC Output Active Power (kW)	100
Max. AC Output Current (A)	166.7/159.4



Busbar

Our unique Sunsynk Busbar is an essential component of an electrical distribution system, featuring a positive and negative busbar with four connections for batteries, loads, or chargers, and a ground connection. It conducts electricity and facilitates the distribution of power between different components, including circuit breakers, transformers, and electrical panels. With its ability to handle high currents and provide a low-resistance pathway, the Busbar ensures a smooth flow of electricity within the system. Additionally, each Sunsynk Busbar can link to other Sunsynk Busbars, making it expandable in length and allowing for more direct connections of batteries and loads.

Specifications	Busbar BB 300 SUNSYNK-BB-300
Voltage Range (Vdc)	9 - 60
Current Rating (A)	800
Connections	M8
Enclosure Dimensions (H x W x D)	165 x 245 x 75mm
Unit Weight (Kg)	1.8
Busbar Dimensions (H x W)	8 x 30mm
Operating Temperature Range	-40°C to +60°C
Humidity	Max. 95% (Non-condensing)
Protection Class	IP22

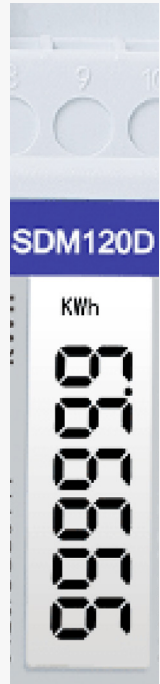


Eastron Meter Single-Phase

The Eastron Single-Phase Meter is a versatile and reliable solution for monitoring and measuring energy in single-phase systems. This meter is compatible with single-phase setups and utilises a 5A current transformer for seamless integration. Certified under MID classes B and D, it ensures accurate energy measurement and compliance.

This meter offers bi-directional measurement for both kW and kWh, allowing you to monitor both import and export power comprehensively. It features configurable pulsed output options for import, export, and net kWh, enabling tailored monitoring to meet specific needs. Available in RS485 Modbus or M-bus variants, the Eastron Single-Phase Meter provides flexible and reliable communication with other devices in your system.

The meter also monitors various electrical parameters, giving you detailed insights into system performance for better energy management. Designed for easy installation and user-friendly operation, it ensures minimal complexity and hassle. The Eastron Single Phase Meter is your go-to solution for accurate and efficient energy monitoring in single-phase systems, offering reliable performance and comprehensive data to optimise your energy usage.



Specifications	Eastron Meter Single Phase E Meter1
Voltage Range (Vdc)	220/250
Frequency (Hz)	50/60
CT	Split Core
Rated Input (A)	120
Rated Output (A)	40
Operating Temperature Range	-25°C to +55°C

Eastron Meter Three-Phase

The Eastron Three-Phase Meter is a versatile and reliable energy monitoring solution compatible with both single-phase and three-phase networks. Certified under MID and UL standards, this meter ensures compliance and safety for various applications.

This meter offers Class 0.5 accuracy, providing high precision in energy measurements. It is designed for easy installation, conveniently mounting on a four-module DIN rail. The highly visible backlit display and intuitive menu navigation make it user-friendly and simple to operate.



Equipped with built-in Modbus and pulsed outputs, the Eastron Three-Phase Meter also offers an optional M-bus interface for flexible communication options. This combination of features makes the Eastron Three-Phase Meter an excellent choice for accurate and efficient energy monitoring in diverse electrical systems.

Specifications

Eastron Meter Three Phase E Meter3

Voltage Range (Vdc)	173 to 500
Frequency (Hz)	50/60
CT	Split Core
Rated Input (A)	100 A+
Rated Output (A)	1/5
Operating Temperature Range	-25°C to +55°C

Installation Components



Long Cable Set

Medium Cable Set

Short Cable Set



Wall Mounting



C100 Standing Installation



C300 Quick Fix Set



Connectors








Sunsynk Connect

Optimise your Sunsynk Inverter with our innovative Sunsynk Data Logger and Sunsynk Connect app. Tailored for both customers and installers, these powerful tools provide a complete view and control of your renewable energy system.

Our premium-grade Sunsynk Data Logger is flame-retardant, anti-UV, and IPX7 rated, allowing for versatile indoor and outdoor use.

With our Sunsynk Connect app, you can have real-time control of your system from anywhere in the world. Pairing these state-of-the-art tools makes it easier than ever before to monitor, adjust, and receive alerts from your inverter.

Experience the power of the Sunsynk Data Logger and Sunsynk Connect - take your energy generation and storage to the next level.

-  Resume transmission
-  Plug & play
-  IPX7
-  Flame retardant
-  OTA
-  Anti-UV
-  Remote configuration
-  Tool free
-  Encryption





Complete Control

Using our data logger gives you complete control over your hybrid inverter. You will gain access to features that cannot be accessed via the inverter control panel, such as the update / upgrade feature to update the inverter operating system yourself.



Remote Control

Our data logger allows you to change and edit all settings remotely from anywhere in the world, provided that you have an Internet connection.



Brand New App

We have designed and developed our very own app which has been specially tailored for the customer and installer.



Real-time Monitoring

The majority of our app works in real-time including any changes that you make will instantly update on your inverter.



Agile Octopus

Our app is fully integrated with Agile Octopus, with this information you can set your charge / discharge price's and the system will automatically monitor the current tariff and amend the charge / discharge according to your setup.



Reporting

Generate custom reports and graphs to help you monitor and understand how your system is working and where you are saving money.



Recommended Settings

Using the recommended settings feature you already have a head start on your installation. Once your inverter has been fitted, you can select from the list of recommended settings and import it straight to your inverter. Installers can also export settings from an inverter and upload to another one to cut down on their installation time.



Live Stats & Monitoring

You have access to multiple stats including live monitoring and reporting. Using this app allows you to see peaks in your energy usage, you can then customize your system to work around this to help you save money on your electricity bills.

Specifications

Sunsynk Connect Data Logger SUN-LOGGER-WIFI / SUN-LOGGER-W+E

Voltage (Vdc)	5V - 12
Current consumption (mA)	Max. 500mA; Avg. 100mA
Interface Type	USB-C/DB9-male/Aero head
Communication Interface	RS485-HD / RS232 / Uart TTL
Communication Parameters	9600bps 8/N/1 (default)
Operating Temperature Range	-20°C to +60°C
Protection Level	IPX7



5 Way Battery Cabinet

The Sunsynk 5 Way Battery Cabinet is a premium storage solution, meticulously hand-crafted in the UK to offer exceptional design and quality. Featuring a high-tech look and feel, it boasts a textured grey and black finish adorned with the Sunsynk emblem, making it a stylish complement to any advanced installation.

This cabinet is designed for convenience, arriving flat-packed for easy transport and assembly in under two minutes. Standing just over 100 cm tall, it securely houses up to 5 batteries or 4 batteries and 1 rack-mount inverter, making it ideal for compact spaces that require efficient power backup.

The durable, interlocking sides provide secure protection for your equipment, reflecting the advanced engineering synonymous with the Sunsynk brand. Perfect for both residential and commercial setups, the Sunsynk 5 Way Battery Cabinet ensures your power storage is both efficient and elegantly presented.



Specifications

5 Way Battery Cabinet SM05WAYBC

Cabinet Assembled Size (H x W x D mm)	1005 x 585 x 920
Material	1.2 mm Mild Steel
Capacity (kWh)	Sunsynk 5 x 5 kWh Battery or 4 x 5 Battery Plus Rack Mount Inverter
Ventilation	Dual Fan with Bimetal Thermostat & Mains Plug Socket
Temperature Control	Adjustable Bimetal Thermostat (Preset 25 degrees celsius)
Max. Current (A)	0.26
Nominal Input/Output Voltage (Vac)	220-240
Nominal Input/Output Frequency (Hz)	50/60
Protection Class	IP20

Two & Four Light Kits

Illuminate any space, anytime, with our solar-powered 2 & 4 Light Kits. These practical outdoor lighting systems include a lithium-ion battery power bank for long-lasting, efficient power storage and feature plug-and-play parts for easy setup.

Weighing only 1.45 kg, these kits are lightweight and portable, perfect for camping, fishing, barbecues, and more. The high-quality silicon solar panel collects sunlight to charge the battery, ensuring reliable power. Bright white LED lamps with in-line switches provide over 100 lumens of brightness.

Monitor battery status via the LED display, and use the two USB ports to charge mobile phones and power packs. Each kit comes with a convenient carrying bag. With the 2 & 4 Light Solar Kits, you'll have a reliable light source and power supply for any outdoor adventure.



Specifications

2 Light Kit

4 Light Kit

System Voltage (V)	9	9
Battery Size (Ah)	6.6	8.8
LA Wattage (W)	3	3
Lumens	> 200	> 400
Cable Length	3 Metre Inline Switch	3 Metre Inline Switch
Solar Panel (W)	5	2 x 5
Type	Silicon Polycrystalline	Silicon Polycrystalline
Cable Length (M)	5	2 x 5
Battery Type	Lithium Ion	Lithium Ion

Lifelynk Outdoor Cabinet

The Lifelynk Outdoor system offers safe and secure protection for your valuables, both indoors and outdoors. It ensures your items are safeguarded from theft, vandalism, and environmental damage, providing peace of mind.

Built with full galvanized steel construction, Lifelynk Outdoor Cabinet is highly durable, rust-resistant, and long-lasting. Its compact design allows for external mounting without occupying much space, making it ideal for various applications.

The system comes with multiple keys for convenient access control and features IP44 protection. This includes dust ingress protection to keep your contents clean and functional, as well as water jet protection to ensure everything stays dry. Lifelynk Outdoor Cabinet combines security and durability, making it the perfect solution for protecting your valuables in any environment.



Specifications

Lifelynk Outdoor SM2.0kWLV

Cabinet Assembled Size (H x W x D mm)	1190 x 820 x 240
Material	1.2 mm Mild Steel
Capacity (kW)	x1 Lifelynk X / XL
Ventilation	Vented
Temperature Control	Natural Aspiration
Protection Class	IP44



Contact Us

EMERGENCY OUT OF HOURS

Mon - Fri 17:00 - 09:00 UK: +44 151 832 4300

Times are changing and with energy prices rising our sales team are on hand to provide the most up-to date cost effective solutions for you or your business. We would love to hear from you, we are happy to answer any queries you may have.

Excellent After-Sales Support

Sunsynk operate a European Call Centre that can answer customer queries and clarify any questions with follow-up calls when required. The call centre will ensure the correct Sunsynk staff is assigned to the correct query raised by each customer.



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More Information



Beginners

For beginners or if you want to find out more about our inverters and what they can do for you.

www.sunsynk.org/ourinverters



Global Sales Team

To contact a member of our sales team please scan the code or visit:

www.sunsynk.org/globalsalesteam



Approved Installers

To see our approved installers and their locations please follow the link:

<https://www.sunsynk.org/approvedinstallers>



Technical Support

For advise, help or trouble-shooting please visit:

<https://www.sunsynk.org/tech-support>



Our Distributors

To see distributors in your area please scan or visit:

<https://www.sunsynk.org/ourdistributors>



Sunsynk

Excellent



VERIFIED COMPANY



Excellent support and fast assistance...

Excellent support and fast assistance directed me to correct a minor oversite. Thank you Sunsynk fast and professional service.



Whenever I contacted Sunsynk Support

Whenever I contacted Sunsynk Support, they went the extra mile to solve any issue or answer any question that I had. It is part of the reason that I have the highest regard for Sunsynk inverters. I have four! Keep it up, and thank you!



Contact Us

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