



SUN  SYNK[®]
MOBILE

Contained Power & Storage

Our solutions are designed to offer reliable & uninterrupted performance in a wide variety of environments. Our versatile products deliver comprehensive & self-contained power solutions tailored to your needs.



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Our Sales Team

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 Mobile 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 Mobile staff is assigned to the correct query raised by each customer.



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About Us

Providing comprehensive high and low-voltage solutions in compact, self-contained packages. Our versatile systems cater to a wide range of environments, from powering small remote devices to large industrial warehouses, ensuring reliable and uninterrupted power wherever you go.

Our Mission

Designing solutions that provide reliable & uninterrupted performance, in a variety of environments.

What Can the Sunsynk Mobile Range Do for Me?

Sunsynk Mobile focuses on efficient hybrid inverters and stable, long-lasting Lithium-Phosphate battery storage systems which can manage your renewable power generators. By connecting solar and wind power generators, you can make power without causing unnecessary air and noise pollution and cut costs in fuel consumption.



BUILDING SITES & MOBILE OFFICES

Integrating our system with a plant generator allows the inverter to control the charging of its batteries efficiently. Once the batteries are fully charged, the inverter automatically turns off the generator, enabling the stored energy to power equipment, machinery, and on-site offices. This reduces service and fuel costs while minimising noise and pollution, providing an eco-friendly and cost-effective solution.



AQUA-CULTURE

Farmers can benefit from solar-powered air pumps and filtration systems managed by the Sunsynk hybrid inverters, reducing energy costs and air pollution.



UPS

A reliable UPS facility can be placed on-site to keep vital equipment running in the event of power outages. This is significant when considering medical facilities, field outposts and remote first-aid posts.



CAMPSITES

An on-site charging station made up of solar panels, a hybrid inverter and battery storage can assist in supplying cheap power to campers to charge their mobile devices or power camper-vans and caravans. As well as Wi-Fi, lighting and electronics.



EV CHARGING

Adding a Sunsynk hybrid inverter and battery storage system allows mains power to be stored while tariffs are low and can be used later on the EV charging port. This will greatly economise the use of any EV in daily life.

Lifelynk

All-in-one, plug-&-play and expandable.



Lifelynk S (2.5kW) Lifelynk X (3.6kW)

Simple, but elegant.

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 retro fits.

Our dedicated Sunsynk Connect platform enables full control, visibility, and access to the system, making site specific customisation easy.

The Lifelynk comes complete with everything you need to install this cutting-edge storage solution. In-built connection points give access to the Load, Grid, CT, and Wi-Fi Data logger ports, making it a true "plug and play" system.

From the pre-set factory settings to the in-built connection ports, the Lifelynk has been designed with convenience and hassle-free installation in mind.

Features

- Plug-&-play, all-in-one hybrid inverter and battery storage system.
- A cost-effective alternative to a traditional energy storage/backup system.
- Reduce bills by generating free electricity or taking advantage of variable tariffs.
- Keep essential loads unaffected during blackouts & load shedding.
- A range of sizes available.
- Protect your appliances during an unstable grid.
- Fully Parallelable up to 16x to meet more energy requirements.
- Capable of adding external batteries for increased capacity.
- Easy to install and comes complete with everything you need.

| Model | Lifelynk S | Lifelynk X |
|---|--|-----------------------|
| Battery Input Parameters | | |
| Supported Battery Type | LiFePO ₄ | |
| Nominal Battery Voltage (V) | 51.2 | |
| Battery Input Voltage Range (V) | 43.2~57.6 | |
| Max. Charge Voltage (V) | 60 (Configurable) | |
| Max. Charge Current (A) | 42 (Configurable) | 60 (Configurable) |
| Max. Discharge Current (A) | 56 (Configurable) | 80 (Configurable) |
| Battery Capacity (Wh) | 2000 | 3840 |
| PV String Input Parameters | | |
| Max. DC Input Power (W) | 3000 | 4500 |
| Max. DC Input Voltage (V) | 500 | |
| MPPT Voltage Range (V) | 120~450 | |
| Start-Up Voltage (V) | 150 | |
| Max. Input Current (A) | 12 x 2 | |
| AC Output Parameters (Back-Up) (Feed to Essential Load) | | |
| Max. Output Power (W) | 2500 | 3600 |
| Max. Output Apparent Power (VA) | 2500 | 3600 |
| Peak Output Apparent Power (VA) | 5000 | 7200 |
| Max. Output Current (A) | 11 | 16 |
| Nominal Output Voltage (Vac) | 230 | |
| Nominal Output Frequency (Hz) | 50 | |
| Max. Bypass Current (A) | 20 | 40 |
| Shift Time (Bypass and Inverter) (ms) | 10 | |
| Output THD (Resistor Load) | <3% | |
| AC Input Parameter (On-Grid) | | |
| Max. Input Power (W) | 2500 | 3600 |
| Max. Output Power (W) (Feed to Home Load) | 2500 | 3600 |
| Max. Apparent Input Power (VA) | 2500 | 3600 |
| Max. Apparent Output Power (VA) | 2500 | 3600 |
| Nominal Input / Output Voltage (Vac) | 230 | |
| Nominal Input / Output Frequency (Hz) | 50 | |
| Max. Bypass Current (A) | 20 | 40 |
| Shift Time (Bypass and Inverter) (ms) | 10 | |
| Dimensions | | |
| Size (H x L x W mm) | 700.6 x 543.6 x 100.7 | 700.6 x 543.6 x 182.2 |
| Net Weight | 36kg | 51.7kg |
| Efficiency | | |
| Max. Efficiency | 97.6% | |
| Max. Battery to Load Efficiency | 94.0% | |
| Europe Efficiency | 97.0% | |
| MPPT Efficiency | 99.9% | |
| Protection | | |
| Integrated | Battery Over-Charge Protection, Battery Low-Voltage Protection, Over-Temperature Protection, Output Short-Circuit Protection, Output Over-Voltage Protection Output Overload Protection | |
| Compliances | | |
| This Grid support interactive inverter complies with VDE 0126-1-1:2013, IEC/EN 62109-1:2010, IEC/EN 62109-2:2011, G98 | | |

Terra

Portable power where you need it.

3 low voltage trailer style solutions:

TLYMax-20kW

TLYMax-40kW

Ideal for:

Road works

Portable lighting solutions

C1 air cooled LV lithium

Prismatic batteries



5KW & 7.6KW TERRA

Introducing the awe-inspiring Terra by Sunsynk Mobile! Get ready for a silent, eco-friendly, and budget-friendly alternative to the dreaded diesel generator.

With its unique design and durable hard-wearing rubber wheels, the Terra is entirely manoeuvrable, allowing you to move it around swiftly with ease. Its 8.8kw inverter and 15kwh batteries run at full capacity, making it easy to plug in your electric power tools without any hassle.

But that's not all - the Terra is a custom-built cabinet that contains a hybrid inverter and lithium-phosphate batteries, making it easy to charge via a mains input. With the Terra, you can say goodbye to rental, servicing and fuel costs that usually come with the standard generator. Terra is maintenance-free and easy to set up, allowing you to use only what you need, thus lowering your costs massively!

Terra by Sunsynk Mobile is perfect for building sites, remote maintenance, and anyone who needs silent and eco-friendly power on the go. Don't let traditional generators hold you back - make the switch to Terra and experience the benefits of an efficient, budget-friendly, and sustainable power source!

Features

- Robust housing containing both inverter and batteries.
- Built-in 8.8kw Hybrid Inverter.
- 15kwh Lithium-Phosphate batteries.
- Collapsible arms that aid storage and transportation.
- Easy to deploy and manoeuvre.
- 3 x euro-socket outputs.
- Mains socket for charging.
- A clear display screen showing the battery status and connected loads.
- Cost-effective.
- Silent running.
- Non-polluting

| Model Information | |
|----------------------------------|------------------------------|
| Product Type | Mobile Power Bank |
| Enclosure | IP65 |
| AC Input | |
| Input Voltage Range | 220 ~ 240 Va.c |
| Input Frequency Range | 47.5-52Hz |
| Max. Input Current | 40A a.c |
| AC Output | |
| AC Output Count | 3 |
| AC Output Voltage | L/N/PE 220/230 Va.c |
| AC Output Frequency | 50Hz |
| AC Output Rated Current Per Port | 16Aa.c |
| Max. AC Output Current | 40Aa.c |
| AC Output Rated Power | 8800VA |
| Max. AC Output Power | 8800W |
| AC Output Power Factor | 0.95 Leading to 0.95 Lagging |
| Type | Single Phase |
| Battery | |
| Battery Type | LiFePO ₄ |
| Battery Capacity | 300Ah (3 Packs Combined) |
| Battery Voltage Range | 40Vd.c ~ 60Vd.c |
| Battery Discharge Current | 150A d.c (Max) |
| Battery Discharge Power | 8000W |
| Max. Charging Current | 135A d.c |
| General Data | |
| Conversion Efficiency | Up to 97.6% |
| Operating Temperature Range | -10°C to 50°C |
| Communication Interface | Wi-Fi (Optional) |
| Weight | 500kg (Including Batteries) |
| Noise | <30dB |

Contour

On-demand power. Available anytime & anywhere.

1 light weight portable "trolley style" solution:

TLY-1000

TLY-2000



The 'Contour' is an all-in-one power pack that can be used as an Uninterruptible Power Supply (UPS) connecting the mains and essential power loads.

This makes the device ideal for home offices where laptops, fridges and lights must keep running during load shedding/power outages.

It can also be used as a reliable portable power source wherever and whenever you need it.

Features

- LifePO₄ battery.
- UPS function.
- 5V, 9V, 12V and 240V outputs.
- Built-in inverter.
- 1kWh and 2kWh versions.
- Battery charge level and system load indicator.
- Portable with built-in wheels.
- Charge from mains or solar.

| Battery Input Parameters | | Contour 1000 & 2000 |
|--------------------------------------|--|---|
| Capacity | | 1000W PSW Inverter |
| | | 250W MPPT Charger |
| | | 250W AC Charger |
| Mains Input (Charge) | | AC 240V/50Hz |
| Max. Charging Current (Mains) | | 10A |
| | | 250W AC Charger |
| Solar Panel Voltage Range | | 32V-60V |
| Max. Charging Current (Solar Panels) | | 10A |
| Solar Charger | | 250W MPPT Charger |
| Outputs | | 2 x USB 5V 2A |
| | | 1 x Type C - 18W |
| | | 1 x DC 9V 1A |
| | | 2 x DC 12V 1A |
| AC Outlet | | AC240V/50Hz |
| Case Material | | Steel |
| Inverter Peak Wattage | | 2000W (4S) |
| Inverter Normal Max. Running Power | | 1000W |
| Max. Inverter Efficiency | | >92% |
| Current Harmonic Distortion | | <3% |
| Battery Data | | Contour 1000 |
| Battery Type | | LiFePO ₄ Lithium Iron Phosphate Battery Pack |
| Battery Specification | | 1 x 25.6V - 36Ah - 921.6Wh Battery Packs |
| Total Battery Capacity | | 921.6Wh |
| Battery Data | | Contour 2000 |
| Battery Type | | LiFePO ₄ Lithium Iron Phosphate Battery Pack |
| Battery Specification | | 2 x 25.6V - 36Ah - 921.6Wh Battery Packs |
| Total Battery Capacity | | 1843.2Wh |
| Product Weight | | |
| Contour 1000 | | 25kg |
| Contour 2000 | | 33kg |

Innagator

Power & energy storage system with 1MkW battery capacity.



THE ULTIMATE POWER HUB

EMS and PCS integrated technology. Support grid connection and off grid, prevent reverse current dynamically adjusting power.

Battery auxiliary power supply. Redundancy design, support black start function.

Positive balance intelligent BMS. Providing complete protection, can effectively extend cycle life of battery packs.

Hepta-fluoropropane. Fully submerged fire fighting system.

Emergency stop button. To quickly stop the system, support for remote control.

Features

- Built-in security system.
- Lithium iron phosphate (LFP) battery.
- Full colour screens on each battery controller and inverters.
- Can use as UPS.
- Car charger.
- Micro-grid.
- Can control a generator.
- 10 year warranty.
- Ultra low idle power.

| System Specification | |
|--|--|
| AC Output/Input Power (kW) | 400 |
| AC Output Frequency and Voltage | 50/60Hz; 400Va.c |
| Off-Grid Back up Power (kW) | 400 |
| Off-Grid Switching Duration (ms) | 500ms~1500ms |
| Grid Type | 3W+N+PE |
| THD | <3% |
| Power Factor | 1-+1 |
| System Communication | ETH, Wi-Fi |
| Black Start | Yes |
| Fire Detection | Heat and smoke detection |
| Fire Alarm | Alarm panel, strobes and horns with UPS backup |
| Aux Load | 10kW |
| Auxiliary Power Interface | 400Va.c, 3W+N+PE |
| Auxiliary Power Back Up | 30 min (important load) |
| Local Emergency Stop | Yes |
| Remote Stop/Shut-off | Yes |
| Battery Technical Specification | |
| Battery Capacity (kWh) | 5.12kWh x 12 = 61.44kWh x 16 = 983.04kWh |
| Battery Operating Voltage (V) | 716.8 ~ 934.4 |
| Battery Communication | CAN, RS485 |
| Pack Configuration | 1P16S (16 Cells) |
| Rack Configuration | 1P256S (16 Packs) |
| Stack Configuration | 4*3P256S (12 Racks) |
| Other Technical Specification | |
| Dimension (L x W x H mm) | 6058*2438*2896 mm (238.50*95.98*114.02 in) |
| Weight Appr. (kg) | 16500 |
| IP Rating of Enclosure | IP54 |
| IP Rating of Enclosure | Zone 4 |
| Noise @1m distance | ≤ 75 dB |
| Operating Temperature Range °C | -25~60(>45 °C derating) |
| Relative Humidity | ≤ 95% (non condensing) |

5 Way Battery Cabinet

Inverter & battery cabinet.

Masterfully hand-crafted in the United Kingdom with a keen eye for exceptional design and unparalleled quality. This cabinet is the essence of what high-tech and sophistication should look and feel like. The iconic Sunsynk emblem is seamlessly integrated into the textured grey and black finish, creating a warm and inviting aesthetic that will complement any cutting-edge installation.



Designed to maximise space utilisation and simplify installation, this cabinet comes flat-packed for easy transportation and features six interlocking sides that can be assembled in under two minutes with ease.

Standing just over 100cm, it can secure and protect up to 5 batteries or 4 batteries and 1 rack-mount inverter, making it an ideal solution for compact spaces that require efficient power backup. Its interlocking sides ensure a secure and durable build, giving you peace of mind when it comes to safeguarding your batteries and inverter.

Overall, this slim and sophisticated battery cabinet is a testament to the high-tech and advanced engineering that permeates all aspects of the Sunsynk brand.

| Product Specification | |
|--------------------------------|--|
| Dimensions (H*W*D) | 986*600*890mm |
| Weight | 55kg |
| Capacity | 25kWh or 20kWh + inverter. |
| Output Knockout Holes Diameter | Right: 2 x 25mm + 2 x 32mm, Left: 2 x 25mm + 2 x 32mm, Rear: 2 x 25mm + 2 x 32mm |
| Locking Mechanism | Lift & turn compression latch |
| Glass Type | 4mm tempered glass |
| Foot Type | Thread pivot foot 25mm – 55mm |
| IP Rating | IP20 |
| Material | 1.2mm mild steel powder coated |
| Ventilation | Dual fan with bimetal thermostat and mains plug socket. |

Coming Soon...

Skid Units - Perfect for job sites.

Based on the 16kW Sunsynk Inverter Range.

- Built in security system.
- Full colour screens on each battery controller and inverters.
- Can use as UPS.
- Car charger.
- Micro-grid.
- Can control a generator.
- Ultra low idle power.



Office UPS - Simple portable plug-&-play, all-in-one units.

Based on the 10kW Sunsynk Rack Inverter range, this neat portable unit is well-suited for most offices.

Connect to a large solar array for free power.

- Full colour screens on each battery controller and inverters.
- Can use as UPS.
- Car charger.
- Micro-grid.
- Can control a generator.
- Ultra low idle power.





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