



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 Sunsink Mobile Range Do for Me?

Sunsink 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 1MWh 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	
Grid AC Input/Output Power (kW)	700/400
Load AC Output Power	400
AC Output Frequency and Voltage	50/60Hz; 400Vac
Off-Grid Back up Power (kW)	400
Off-Grid Switching Duration (ms)	20
Grid Type	3W+N+PE
THD	<3%
Power Factor	-1 - +1
System Communication	ETH
Back Start	Yes
Fire Detection	Heat and smoke detection
Fire Alarm	Alarm panel, strobes and horns with UPS backup
Aux Load	6kW
Auxiliary Power Interface	400Vac, 3W+N+PE
Auxiliary Power Back Up	30min (Important load)
Local Emergency Stop	Yes
Remote Stop/Shut-off	Yes
Battery Technical Specification	
Energy Configuration (kWh)	980
Battery Operating Voltage (V)	480 ~ 700
Battery Communication	CAN, RS485
Pack Configuration	1P16S (16 Cells)
Rack Configuration	1P192S (16 Packs)
Stack Configuration	8*2*1P192S (16Racks)
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
Seismic Parameter	9
Noise @1m distance	≤ 80 dB
Operating Temperature Range °C	-20 ~ 45
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	Duel fan with bimetal thermostat and mains plug socket.

Coming Soon...

Skid Units - Perfect for job sites.

Based on the 16kW Sunsunk 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 Sunsunk 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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