



# Lifelynk Series

All-In-One Hybrid Inverter & Battery



On-demand power.  
Available anytime & anywhere.

# Introducing the Lifelynk Series

by Sunsynk Mobile.

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.

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 & 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.



Introducing the Lifelynk

[https://www.youtube.com/watch?v=u6Cqg1iGL\\_M](https://www.youtube.com/watch?v=u6Cqg1iGL_M)



Lifelynk Installation

<https://www.youtube.com/watch?v=Qj2Cf8zN7HA>



Our Distributors

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

## Solar Made Simple

- Plug-&-play, all-in-one hybrid inverter & 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.
- Protect your appliances during an unstable grid.
- A range of sizes available.
- Fully parallelable up to 6x to meet more energy requirements.
- Capable of adding external batteries for increased capacity.
- Easy to install and comes complete with everything you need.
- Full access to the Sunsynk Connect platform and phone app enables full control, visibility, and access to the system.



S

2.5kW hybrid inverter  
& 2kWh battery



X

3.6kW hybrid inverter  
& 3.84kWh battery



XL

5.5kW hybrid inverter  
& 5.22kWh battery



Rapid  
Battery Charging



Easy  
Installation



Solar Panel  
Compatible



Monitor Savings  
with the Free  
Mobile App



WiFi  
Compatible



Model	Lifelynk S	Lifelynk X	Lifelynk XL
Battery Input Parameters			
Supported Battery Type	LiFePO <sub>4</sub>	LiFePO <sub>4</sub>	LiFePO <sub>4</sub>
Nominal Battery Voltage (V)	51.2	51.2	51.2
Battery Input Voltage Range (V)	43.2~57.6	43.2~57.6	43.2~57.6
Max. Charge Voltage (V)	60 (Configurable)	60 (Configurable)	60 (Configurable)
Max. Charge Current (A)	42 (Configurable)	60 (Configurable)	90 (Configurable)
Max. Discharge Current (A)	56 (Configurable)	80 (Configurable)	120 (Configurable)
Battery Capacity (Wh)	2000	3840	5222
PV String Input Parameters			
Max. DC Input Power (W)	3000	4500	6800
Max. DC Input Voltage (V)	500	500	500
MPPT Voltage Range (V)	120~450	120~450	120~450
Start-Up Voltage (V)	150	150	150
Max. Input Current (A)	12	12 (Total of two MC4 sets combined)	18 (Total of two MC4 sets combined)
AC Output Parameters (Back-Up) (Feed to Essential Load)			
Max. Output Power (W)	2500	3600	5500
Max. Output Apparent Power (VA)	2500	3600	5500
Peak. Output Apparent Power (VA)	5000	7200	1100
Max. Output Current (A)	11	16	24
Nominal Output Voltage (Vac)	230	230	230
Nominal Output Frequency (Hz)	50	50	50
Max. Bypass Current (A)	20	40	40
Shift Time (Bypass and Inverter) (ms)	10	10	10
Output THD (Resistor Load)	<3%	<3%	<3%
AC Input Parameters (On-Grid)			
Max. Input Power (W)	2500	3600	5500
Max. Output Power (W) (Feed to Home Load)	2500	3600	5500
Max. Apparent Input Power (Va)	2500	3600	5500
Max. Apparent Output Power (Va)	2500	3600	5500
Nominal Input / Output Voltage (Vac)	230	230	230
Nominal Input / Output Frequency (Hz)	50	50	50
Max. Bypass Current (A)	20	40	40
Shift Time (Bypass and Inverter) (ms)	10	10	10
Dimensions			
Size (H x L x W mm)	701 x 544 x 105	701 x 544 x 182	901 x 624 x 182
Net Weight	38.5kg	51.7kg	82kg
Efficiency			
Max. Efficiency	97.6%	97.6%	97.6%
Max. Battery to Load Efficiency	94.0%	94.0%	94.0%
Europe Efficiency	97.0%	97.0%	97.6%
MPPT Efficiency	99.9%	99.9%	99.9%
General Data			
Operating Temperature Range	-25°C ~ +60°C	-25°C ~ +60°C	-25°C ~ +60°C
Degree of Protection	IP20	IP20	IP20
Protection Glass	Class I	Class I	Class I
Cooling Concept	Fan	Fan	Fan
Protection	Battery Over-Charge Protection, Battery Low-Voltage Protection, Over-Temperature Protection, Output Short-Circuit Protection, Output Over-Voltage Protection, Output Overload Protection		
Integrated			
Compliances	This Grid support interactive inverter complies with VDE 0126-1-1:2013, IEC/EN 62109-1:2010, IEC/EN 62109-2:2011, G98		



## 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.



## WiFi Compatible

Its integrated WiFi 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.



## Contact Us

---

**Email**     [sales@sunsynkmobile.com](mailto:sales@sunsynkmobile.com)

**Website**     [www.sunsynkmobile.com](http://www.sunsynkmobile.com)

**Address**     17 Turnstone Business Park, Mulberry Avenue, Widnes, Cheshire, WA8 0WN

**Phone**     +44 151 832 4300