



Integrated Systems

מערכות משולבות

All-in-One Power and Storage



SynergX.co.il

Sunsynk Integrated Systems

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All-in-One Integrated Power and Storage

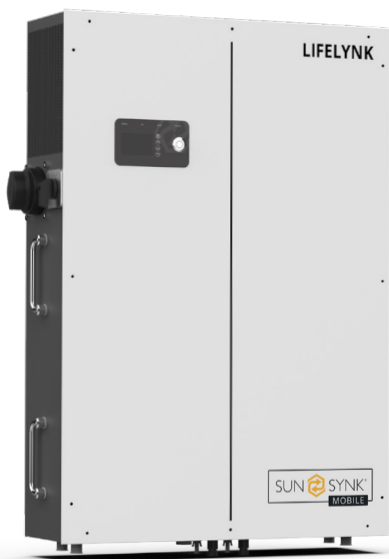
A range of compact, self-contained systems to serve both high and low-voltage applications. These versatile systems cater to a wide range of environments, from

powering small remote devices to large industrial warehouses, ensuring reliable and uninterrupted power wherever you need.



INNAGATOR Plug-and-Play and Expandable

- 100kW/200kWh
- 200kW/500kWh
- 400kW/1MWh



LIFELYNK Plug-and-Play and Expandable

- Lifelynk S:
2.5kW/2kWh
- Lifelynk X:
3.6kW/3.84kWh
- Lifelynk XL:
5.5kW/5.22kWh



CONTOUR Portable Power Station

- Contour 100: 921.6Wh
LiFePO4
- Contour 200: 1843.2Wh
LiFePO4



TERRA Alternative to Diesel Generators

- 5kW Terra
- 7.6kW Terra



The Ultimate Power Hub

The Innagator

by Sunsynk Mobile

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

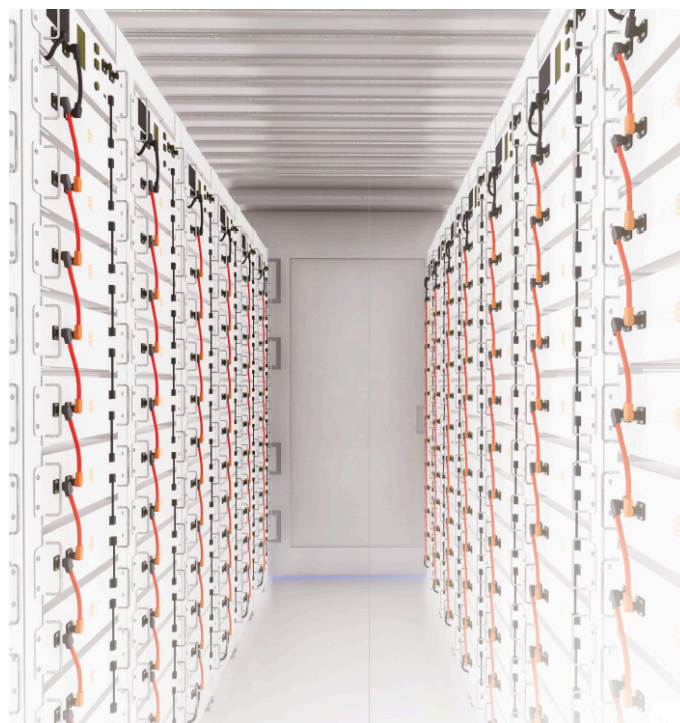
Providing complete protection, can effectively extend cycle life of battery packs

Hepta-fluoropropane

Fully submerged fire fighting system

Emergency stop button

To quickly stop the system, support for remote control



Built-in security system



Lithium iron phosphate (LFP) battery



Can use as UPS Car charger



Micro-grid



Can control a generator



10 year warranty



Ultra low idle power



Full colour screens on each battery controller and inverter



Emergency and standby power



1MWh Innagator

A Revolution in Power Storage & Management

System Specification

Grid 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)	20ms
Grid Type	3W+N+PE
THD	<3%
Power Factor	-1-+1
System Communication	ETH
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	30min (Important load)
Local Emergency Stop	Yes
Remote Stop/Shut-off	Yes

Battery Technical Specification

Energy Configuration (kWh)	980
Battery Operating Voltage (V)	400 ~ 700
Battery Communication	CAN, RS485
Pack Configuration	1P16S (16 Cells)
Rack Configuration	1P192S (16 Packs)
Stack Configuration	8*2*1P192S (16 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
Seismic Parameter	Zone 4
Noise @1m distance	≤ 75 dB
Operating Temperature Range (°C)	-20 ~ 60 (>45°C derating)
Relative Humidity	≤95% (Non condensing)
Certification	IEC62477, UN3536

500kWh Innagator



Key Details

Lithium Ion Battery Towers	x8
Energy Configuration (kWh)	>491.52 kWh
Rack Mounted PCS Inverters	x5 50kW
Power Output/Input	250kW
Size	10ft

200kWh Innagator



Key Details

Lithium Ion Battery Towers	x4
Energy Configuration (kWh)	>200 kWh
Rack Mounted PCS Inverters	x2 50kW
Power Output/Input	100kW
Size	6'5ft



On-Demand Power Anytime, Anywhere.

The Lifelynk

by Sunsynk Mobile



The Lifelynk has been specifically designed with convenience and hassle-free installation in mind.

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

The Lifelynk is delivered 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.

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



- Plug-and-play, all-in-one hybrid inverter and battery storage system with a range of sizes available*
- Fully parallelable up to 16x to meet more energy requirements*
- A cost-effective alternative to a traditional energy storage/backup system*
- Capable of adding external batteries for increased capacity*
- Reduce bills by generating free, renewable electricity or taking advantage of variable tariffs*
- Easy to install and comes complete with everything you need*
- Keep essential loads unaffected during blackouts and load shedding, whilst protecting your appliances from an unstable grid*
- Full access to the*
- Sunsynk Connect platform and phone app enables full control, visibility, and access to the system*

Lifelynk S:	Length 54.4cm Width 10.5cm Height 70.1cm
Lifelynk X:	Length 54.4cm Width 18.2cm Height 70.1cm
Lifelynk XL:	Length 65cm Width 18.2cm Height 90cm



LIFELYNK S, X & XL

Simple, but elegant.

Model	Lifelynk S	Lifelynk X	Lifelynk XL
Battery Input Parameters			
Supported Battery Type	LiFePO ₄	LiFePO ₄	LiFePO
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)	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		
MPPT Voltage Range (V)	120~450		
Start-Up Voltage (V)	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	11000
Model	Lifelynk S	Lifelynk X	Lifelynk XL
Max. Output Current (A)	11	16	24
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	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		
Nominal Input / Output Frequency (Hz)	50		
Max. Bypass Current (A)	20	40	
Shift Time (Bypass and Inverter) (ms)	10		
Efficiency			
Max. Efficiency	97.6%		
Max. Battery to Load Efficiency	94.0%		
Europe Efficiency	97.0%		97.6%
MPPT Efficiency	99.9%		
General Data			
Operating Temperature Range	-25°C ~ +60°C		
Degree of Protection	IP20		
Protection Class	Class I		
Cooling Concept	Fan		
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

What can the Sunsynk Mobile range do for you?

The Sunsynk Mobile product range integrates efficient hybrid inverters and stable, long-lasting Lithium-Phosphate battery storage into single, compact systems. By connecting solar and wind power generators, you can make and store power without causing unnecessary air and noise pollution and cut costs in fuel consumption: **Whenever, wherever.**



Building Sites

Stored energy to power equipment, machinery, and on-site offices



Agriculture

Benefit from solar-powered machinery reducing energy costs and air pollution



Campsites

An on-site charging station to assist in supplying cheap power to campers



EV Charging

Allow grid power to be stored and used later on at the EV charging point

Want to find out more about Sunsynk Mobile?

Sunsynk Mobile Website

To find out more about us and our products
www.sunsynkmobile.com

Sunsynk Mobile Product Information

To access all product manuals, datasheets etc
www.sunsynkmobile.com/manuals-downloads

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