SUN SYNK® MOBILE

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The Lifelynk

find out more

https://www.sunsynkmobile.com/lifelynk-3-6

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SUN SYNK® MOBILE

Contained power & Storage

LIFELYNK

On-demand power.
Available anytime & anywhere.

SOLAR SIMPLIFIED

Introducing the Lifelynk

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 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.

- 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 16x 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.

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
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		
Dimensions			
Size (H x L x W mm)	701*544*105	701*544*182	900*650*182
Net Weight	36kg	51.7kg	75kg
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