



# Lifelynk XLS

All-In-One Ecco Combo



Hybrid Inverter  
& Batteries

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Powered by SUN  SYNK

# Introducing the Lifelynk XLS

by Sunsynk Mobile.

## All-in-one unit | 6KW Hybrid Inverter & 5.12kWh Ecco Battery.

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 XLS 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 XLS has been designed with convenience and hassle-free installation in mind.



### Useful Links...



#### Our Distributors

To see distributors in your area please scan the code.

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



#### Approved Installers

To see our approved installers and their locations please follow the link.

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

Model		6kW Lynks Hybrid Inverter with Twin MPPT	
<b>Battery Input Parameters</b>			
Supported Battery Type	Li-Ion or Lead-acid		
Nominal Battery Voltage	48V		
Battery Input Voltage Range	40-60V		
Max. Charge Voltage	≤60V (Configurable)		
Max. Charge Current	120A (Configurable)		
Max. Discharge Current	130A (Configurable)		
Battery Capacity (Recommended)	100-2000Ah		
Charge for Li-Ion Battery Pack	Communicating with BMS of the battery pack		
<b>PV String Input Parameters</b>			
Max. DC Input Power	4000W x 2 = 8000W		
Max. DC Input Voltage	500V		
MPPT Voltage Range	120V – 450V		
Start-Up Voltage	150V		
Max. Input Current	15A x 2 = 30A 2 MPPT channels		
<b>AC Output Parameters (Back-Up) (Feed to essential load)</b>			
Max. output power	6000W		
Max. output apparent power	6000VA		
Peak output apparent power	12000VA		
Max. output current	26A		
Nominal output voltage	220/230/240Vac (Configurable) single phase		
Nominal output frequency	50/60Hz (+/-0.2%) (Configurable)		
Max. Bypass Current	40A		
Shift Time (Bypass and inverter)	10ms		
Output THD (Resistor load)	<3%		
<b>AC input parameters (On-grid) (Bypass to essential load &amp; Charge the battery/Feed to home load)</b>			
Max. Input Power	6000W		
Max. Output Power	6000W		
Max. Apparent Input Power	6000W		
Max. Apparent Output Power	6000W		
Nominal Input/Output Voltage	220/230/240Vac Auto adjusted to fit home grid Single phase		
Nominal Input/Output Frequency	50/60Hz (Auto adjusted to fit home grid)		
Max. Bypass Current	40A		
Shift Time (Bypass & Inverter)	10ms		
<b>Efficiency</b>			
Max. Efficiency	97.6%		
Max. Battery to Load Efficiency	94.0%		
Europe Efficiency	97.0%		
MPPT Efficiency	99.9%		
<b>Protection</b>			
Battery over charge protection	Integrated		
Battery low voltage protection	Integrated		
Over temperature protection	Integrated		
Output over load protection	Integrated		
Output short circuit protection	Integrated		

Model		5.12kWh Battery C0.5 Rated	
<b>Performance</b>			
Cell Technology	LFP (LiFePO <sub>4</sub> )		
Nominal Voltage	51.2 Vdc		
Nominal Capacity	100 Ah		
Battery Usable Energy	5.12 kWh		
Operating Voltage	44.8 – 56.16 Vdc		
Max. charge & discharge current	100 A		
<b>Communication</b>			
Display	SOC status indicator, LED Indicator		
Communication	RS232 / RS485 / CAN		
<b>General Specification</b>			
Dimension (WxDxH)	450 x 150 x 533 mm		
Weight	46 Kg		
Installation	Floor stand or Wall mounted		
Operating Temperature	Charge: 0 to 50°C Discharge: -15 to 50°C		
Environmental Humidity	≤ 95%RH (non condensation)		
Ingress Protection Rating	IP40		
Cycle Life	3500 Cycles or five (5) years @ 80% DOD/25°C/0.5C, 70% EOL		
Scalability	Max 15 batteries in parallel		
Application	ON Grid / ON Grid + Backup / OFF grid		
Compatible Inverters	Refer to compatible inverter list (Compatible with major PCS brands)		
<b>Standard Compliance</b>			
Compliance	UN38.3 / IEC62619/ IEC61000 (More available upon request)		
<b>Ordering &amp; Deliverable Part</b>			
Part	SUN-BATT-5.12 Ecco Battery SUN-BATT-5.12 ecco Parallel cable SUN-BATT-5.12 ecco to PCS cable		





## Contact Us

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