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Lifelynk XLS

All-In-One Ecco Combo



Hybrid Inverter
& Batteries



www.sunsynkmobile.com
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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.



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Model		6kW Lynks Hybrid Inverter with Twin MPPT
Battery Input Parameters		
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		100A (Configurable)
Max. Discharge Current		130A (Configurable)
Battery Capacity (Recommended)		100-2000Ah
Charge for Li-Ion Battery Pack		Communicating with BMS of the battery pack
PV String Input Parameters		
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
AC Output Parameters (Back-Up) (Feed to essential load)		
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%
AC input parameters (On-grid) (Bypass to essential load & Charge the battery/Feed to home load)		
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
Efficiency		
Max. Efficiency		97.6%
Max. Battery to Load Efficiency		94.0%
Europe Efficiency		97.0%
MPPT Efficiency		99.9%
Protection		
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
Performance		
Cell Technology		LFP (LiFePO ₄)
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
Communication		
Display		SOC status indicator, LED Indicator
Communication		RS232 / RS485 / CAN
General Specification		
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		IP20
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)
Standard Compliance		
Compliance		UN38.3 / IEC62619/ IEC61000 (More available upon request)
Ordering & Deliverable Part		
Part		SUN-BATT-5.12 Ecco Battery SUN-BATT-5.12 ecco Parallel cable SUN-BATT-5.12 ecco to PCS cable

