

Lifelynk Lynks 6kW IP65

Industry leading technology.

Introducing the Lifelynk Lynks 6kW IP65, for the times where you need flexibility and value of a Lifelynk, but not necessarily the integrated storage.

The Lifelynk Lynks works with conventional PVs and micro inverters, providing versatility for various scenarios. It delivers robust power, meeting diverse energy needs efficiently.

Twin MPPT technology maximises solar energy harvest by adjusting output to match peak panel efficiency throughout the day. Compatible with all Sunsynk low-voltage batteries, the Sunsynk Mobile Lynks offer flexible battery options to suit your needs.

Add a Sunsynk Data Logger to the inverter to manage energy use and reduce reliance on traditional sources, simplifying solar energy management.



SM6.0kWLL65

Battery Input Parameters (DC Input)

Supported Battery Type	LiFePO4 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 (Recommend)	100~2000Ah
Charge for LiFePO4 Battery Pack	Communicating with BMS of the Battery Pack

PV String Input Parameters (DC Input)

Max. DC Input Power	4000 x 2 = 8000W
Max. DC Input Voltage	500V
MPPT Voltage Range	120~450V
Start-Up Voltage	150V
Max. Input Current	15 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	28A
Nominal Output Voltage	220/230/240Vac Single-Phase (Configurable)
Nominal Output Frequency	50/60Hz (+/-0.2%) (Configurable)
Max. Bypass Current	40A
Shift Time (Bypass and Inverter)	10ms
Output THDv (Resistor Load)	<3%

AC Input Parameters (On-Grid)(Bypass to Essential Load/Charge the Battery/Feed to Home Load)

Max. Input Power (Bypass to Essential Load/Charge the Battery)	6000W
Max. Output Power (Feed to Home Load)	6000W
Max. Apparent Input Power (Bypass to Essential Load/Charge the Battery)	6000VA
Max. Apparent Output Power (Feed to Home Load)	6000VA
Nominal Input/Output Voltage	220/230/240V Single-Phase (Auto Adjusted to Fit Home Grid)
Nominal Input/Output Frequency	50/60Hz (Auto Adjusted to Fit Home Grid)
Max. Bypass Current	40A
Shift Time (Bypass and Inverter)	8ms

Efficiency

Max. Efficiency	97.6%
Max. Battery to Load Efficiency	94.0%
Europe Efficiency	97.6%
MPPT Efficiency	99.9%

Protection

Integrated	Battery Over-Charge Protection, Battery Low-Voltage Protection, Over-Temperature Protection, Output Overload Protection, Output Short Circuit Protection, Output Over-Voltage Protection
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Compliances

Grid Regulation	VDE-AR-N4105.UNE217001.G100
EMC/Safety Regulation	IEC/EN61000-6-1/3; IEC/EN62109-1/2

General Information

Protection Degree	IP65
Net Dimension	500x484x228mm
Gross Dimension	605x575x325mm
Net Weight	26.5kg
Gross Weight	30kg