

Lynks Series IP41

Second Generation Hybrid Inverter.

The Lifelynk Lynks is ideal when you want the flexibility and value of a Lifelynk system—without integrated storage. Available in both 6kW & 8kW models, the Lynks is designed for versatility, working seamlessly with conventional PV systems and micro inverters.

Built to IP41 standards, it delivers reliable performance across diverse environments. 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, offering flexible storage options.

Add a Sunsynk Data Logger for intelligent energy management, reduced grid reliance, and a simplified path to smart solar living.



Model	Lynks 6kW IP41	Lynks 8kW IP41
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)	150A (Configurable)
Max. Discharge Current	130A (Configurable)	180A (Configurable)
Battery Capacity (Recommended)	100~2000Ah	
Charge for Li-Ion Battery Pack	Communicating with BMS of Battery Pack	
PV String Input Parameters		
Max. DC Input Power	4000W x 2 = 8000W	5000W x 2 = 10000W
DC Input Voltage	500V	
MPPT Voltage Range	120~450V	
Start-Up Voltage	150V	
Max. Input Current	15A x 2 = 30A (2 MPPT Channels)	23A x 2 = 46A (2 MPPT Channels)

Model	Lynks 6kW IP41	Lynks 8kW IP41
AC Output Parameters (Back-Up)(Feed to Essential Load)		
Max. Output Power	6000W	8000W
Max. Output Apparent Power	6000VA	8000VA
Peak Output Apparent Power	12000VA	16000VA
Max. Output Current	26A	36A
Nominal Output Voltage	220/230/240Vac Single-Phase (Configurable)	
Nominal Output Frequency	50/60Hz (+/-0.2%) (Configurable)	
Max. Bypass Current	40A	42A
Shift Time (Bypass and Inverter)	10ms	
Output THDv (Resistor Load)	<3%	
AC Input Parameter (On-Grid)(Bypass to Essential Load & Charge the Battery/Feed to Home Load)		
Max. Input Power	6000W	8000W
Max. Output Power (Feed to Home Load)	6000W	8000W
Max. Apparent Input Power	6000VA	8000VA
Max. Apparent Output Power	6000VA	8000VA
Nominal Input/Output Voltage	220/230/240Vac (Auto Adjusted to Fit Home Grid)	
Nominal Input/Output Frequency	50/60Hz (Auto Adjusted to Fit Home Grid)	
Max. Bypass Current	40A	42A
Shift Time (Bypass and Inverter)	10ms	
Efficiency		
Max. Efficiency	97.6%	
Max. Battery to Load Efficiency	94.0%	
Europe Efficiency	97.0%	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	
Compliances		
EMC/Safety Regulation	IEC 62109-1/2, IEC 61000-6-1/2/3/4, IEC 61727, IEC 62116, IEC 61683, IEC 60068	
General Information		
Operating Temperature Range	-20°C ~ +50°C (>35°C Derating)	
Protection Degree	IP41	
Dimension	514x420x140mm	570x525x140mm
Weight	16.1kg	24.5kg

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