Lynks Series IP65

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 3.6kW, 6kW, 8kW & 10kW models, the Lynks is designed for versatility, working seamlessly with conventional PV systems and micro inverters.

Built to IP65 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 3.6kW IP65	Lynks 6kW IP65	Lynks 8kW IP65	Lynks 10kW IP65
Battery Input Parameters				
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	60A (Configurable)	120A (Configurable)	150A (Configurable)	180A (Configurable)
Max. Discharge Current	90A (Configurable)	130A (Configurable)	180A (Configurable)	220A (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	3600 x 2 = 7200W	4500 x 2 = 9000W	6000 x 2 =12000W	7500 x 2 15000W
DC Input Voltage	500V			
MPPT Voltage Range	120~450V			
Start-Up Voltage	150V			
Max. Input Current	15A x 2 = 30A (2 MPPT Channels)	18A x 2 = 36A (2 MPPT Channels)	28A x 2 = 56A (2 MPPT Channels)	28A x 2 = 56A (2 MPPT Channels)

Model	Lynks 3.6kW IP65	Lynks 6kW IP65	Lynks 8kW IP65	Lynks 10kW IP65
AC Output Parameters (Back-Up)(Feed to Essential Load)				
Max. Output Power	3600W	6000W	8000W	10000W
Max. Output Apparent Power	3600VA	6000VA	8000VA	10000VA
Peak Output Apparent Power	7200VA	12000VA	16000VA	20000VA
Max. Output Current	16A	27A	36A	45A
Nominal Output Voltage	220/230/240Vac Single-Phase (Configurable)			
Nominal Output Frequency	50/60Hz (+/-0.2%) (Configurable)			
Max. Bypass Current	40A	40A	42A	63A
Shift Time (Bypass and Inverter)	10ms	10ms	10ms	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)	3600W	6000W	8000W	10000W
Max. Output Power (Feed to Home Load)	3600W	6000W	8000W	10000W
Max. Apparent Input Power (Bypass to Essential Load/Charge the Battery)	3600VA	6000VA	8000VA	10000VA
Max. Apparent Output Power (Feed to Home Load)	3600VA	6000VA	8000VA	10000VA
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	40A	42A	63A
Shift Time (Bypass and Inverter)	10ms	10ms	10ms	10ms
Efficiency				
Max. Efficiency	97.6%			
Max. Battery to Load Efficiency	94.0%			
Europe Efficiency	97.0%	97.6%	97.6%	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 (N/A 3.6kW variant)			
Compliances				
Grid Regulation	VDE-AR-N4105.UNE217001.G100			
EMC/Safety Regulation	IEC/EN61000-6-1/3; IEC/EN62109-1/2			
General Information				
Operating Temperature Range	-20°C ~ +50°C (>35°C Derating)			
Protection Degree	IP65			
Dimension	450x435x230mm	500x484x228mm	550x535x235mm	600x585x280mm
Weight	22kg	26.5kg	27kg	42kg