

POWERLYNK X & XL

Simple, but elegant.

Introducing the Powerlynk X & Powerlynk XL by Sunsynk Mobile.

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 Powerlynk 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 and play” system.

From the pre-set factory settings to the in-built connection ports, the Powerlynk has been designed with convenience and hassle-free installation in mind.



Model	Powerlynk X	Powerlynk XL
Battery Input Parameters		
Supported Battery Type	LiFePO ₄	LiFePO ₄
Nominal Battery Voltage (V)	51.2	
Battery Input Voltage Range (V)	43.2~57.6	
Max. Charge Voltage (V)	60 (Configurable)	
Max. Charge Current (A)	60 (Configurable)	90 (Configurable)
Max. Discharge Current (A)	80 (Configurable)	120 (Configurable)
Battery Capacity (Wh)	3840	5223
PV String Input Parameters		
Max. DC Input Power (W)	4500	6800
Max. DC Input Voltage (V)	500	
MPPT Voltage Range (V)	120~450	
Start-Up Voltage (V)	150	
Max. Input Current (A)	12 (Total of two MC4 sets combined)	16 (Total of two MC4 sets combined)
AC Output Parameters (Back-Up) (Feed to Essential Load)		
Max. Output Power (W)	3600	5500
Max. Output Apparent Power (VA)	3600	5500
Peak Output Apparent Power (VA)	7200	11000

Model	Powerlynk X	Powerlynk XL
Max. Output Current (A)	16	24
Nominal Output Voltage (Vac)	230	
Nominal Output Frequency (Hz)	50	
Max. Bypass Current (A)	40	
Shift Time (Bypass and Inverter) (ms)	10	
Output THD (Resistor Load)	<3%	
AC Input Parameter (On-Grid)		
Max. Input Power (W)	3600	5500
Max. Output Power (W) (Feed to Home Load)	3600	5500
Max. Apparent Input Power (VA)	3600	5500
Max. Apparent Output Power (VA)	3600	5500
Nominal Input / Output Voltage (Vac)	230	
Nominal Input / Output Frequency (Hz)	50	
Max. Bypass Current (A)	40	
Shift Time (Bypass and Inverter) (ms)	10	
Dimensions		
Size (H x L x W mm)	701 x 544 x 182	901 x 624 x 182
Net Weight	51.7kg	82.0kg
Efficiency		
Max. Efficiency	97.6%	
Max. Battery to Load Efficiency	94.0%	
Europe Efficiency	97.0%	97.6%
MPPT Efficiency	99.9%	
General Data		
Operating Temperature Range	-25°C ~ +60°C	
Degree of Protection	IP20	
Protection Class	Class I	
Cooling Concept	Fan	
Protection		
Integrated	Battery Over-Charge Protection, Battery Low-Voltage Protection, Over-Temperature Protection, Output Short-Circuit Protection, Output Over-Voltage Protection, Output Overload Protection	
Compliances		