

POWERLYNK X

Simple, but elegant.

Introducing the Powerlynk X 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
Battery Input Parameters	
Supported Battery Type	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)
Max. Discharge Current (A)	80 (Configurable)
Battery Capacity (Wh)	3840
PV String Input Parameters	
Max. DC Input Power (W)	4500
Max. DC Input Voltage (V)	500
MPPT Voltage Range (V)	120~450
Start-Up Voltage (V)	150
Max. Input Current (A)	12 x 2

AC Output Parameters (Back-Up) (Feed to Essential Load)

Max. Output Power (W)	3600
Max. Output Apparent Power (VA)	3600
Peak Output Apparent Power (VA)	7200
Max. Output Current (A)	16
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
Max. Output Power (W) (Feed to Home Load)	3600
Max. Apparent Input Power (VA)	3600
Max. Apparent Output Power (VA)	3600
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)	700.6 x 543.6 x 182.2
Net Weight	51.7kg

Efficiency

Max. Efficiency	97.6%
Max. Battery to Load Efficiency	94.0%
Europe Efficiency	97.0%
MPPT Efficiency	99.9%

Protection

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

This Grid support interactive inverter complies with VDE 0126-1-1:2013, IEC/EN 62109-1:2010, IEC/EN 62109-2:2011, NRS 097-2-1:2017