

POWERLYNK X & POWERLYNK S

Simple, but elegant.

Introducing the Powerlynk X & Powerlynk S 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 S |
|-----------------------------------|---------------------|-------------------|
| 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) | 42 (Configurable) |
| Max. Discharge Current (A) | 80 (Configurable) | 56 (Configurable) |
| Battery Capacity (Wh) | 3840 | 2000 |
| PV String Input Parameters | | |
| Max. DC Input Power (W) | 4500 | 3000 |
| 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 | 2500 |
| Max. Output Apparent Power (VA) | 3600 | 2500 |
| Peak Output Apparent Power (VA) | 7200 | 5000 |
| Max. Output Current (A) | 16 | 11 |
| Nominal Output Voltage (Vac) | 230 | |
| Nominal Output Frequency (Hz) | 50 | |
| Max. Bypass Current (A) | 40 | 20 |
| Shift Time (Bypass and Inverter) (ms) | 10 | |
| Output THD (Resistor Load) | <3% | |

AC Input Parameter (On-Grid)

| | | |
|-------------------------------------------|------|------|
| Max. Input Power (W) | 3600 | 2500 |
| Max. Output Power (W) (Feed to Home Load) | 3600 | 2500 |
| Max. Apparent Input Power (VA) | 3600 | 2500 |
| Max. Apparent Output Power (VA) | 3600 | 2500 |
| Nominal Input / Output Voltage (Vac) | 230 | |
| Nominal Input / Output Frequency (Hz) | 50 | |
| Max. Bypass Current (A) | 40 | 20 |
| Shift Time (Bypass and Inverter) (ms) | 10 | |

Dimensions

| | | |
|---------------------|-----------------------|-----------------------|
| Size (H x L x W mm) | 700.6 x 543.6 x 182.2 | 700.6 x 543.6 x 100.7 |
| Net Weight | 51.7kg | 36kg |

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 |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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