

# LOADSHEDDER 2 & LOADSHEDDER 4

Simple, but elegant.

## Introducing the Loadshedder 2 & Loadshedder 4 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 Loadshedder 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 Loadshedder has been designed with convenience and hassle-free installation in mind.



Model	Loadshedder 4	Loadshedder 2
<b>Battery Input Parameters</b>		
Supported Battery Type	LiFePO <sub>4</sub>	
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
<b>PV String Input Parameters</b>		
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
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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